BOW
ENVIRONMENTAL
SOLUTIONS INC.

January 6, 2006

Ms. Patricia J. Polston
Waste, Pesticides and Toxics Division
USEPA Region 5
77 West Jackson Blvd., DW8-J
Chicago, IL 60604-3590

Dear Ms. Polston:

Re: Request for USEPA Approval of Storm Sewer Cleanup and Closure Plan
Former Delphi Harrison Thermal Systems Facility
USEPA ID No. OHD 017 958 604

This letter requests USEPA approval of GM's Storm Sewer Abandonment Work Plan (Revision 2), which is enclosed as Attachment A. The Plan addresses the cleaning and closure of storm sewers located between Taylor and Webster Streets at the subject site. The Plan also includes the results to date of Task 1 – Storm Sewer Investigation, which consisted of dye testing to determine storm sewer connections and additional sediment and water sampling. This Plan is a second revision of GM's June 2005 Proposed Storm Sewer Abandonment Strategy that addresses USEPA's July 12, 2005 and December 9, 2005 comments. The specific responses to the July 12, 2005 comments, which were discussed during a conference call on September 26, 2005, are enclosed as Attachment B. The specific responses to the December 9, 2005 comments are enclosed as Attachment C.

GM believes that the procedures and controls that are now described in the Plan provide assurance that closure of the storm sewers will not pose and unreasonable risk of injury pursuant to 40 CFR 761.61(c). The proposed approach involves removal of certain sediments from the sewers and filling all of the sewers between Webster and Taylor Streets with flowable fill. This process will eliminate the potential for exposure to any remaining sewer sediments and therefore will eliminate any potential associated human health risk. The sealing of these sewers will also eliminate any potential migration of sediment or stormwater through these abandoned sewer sections. GM believes that all information necessary to support this determination is included in the Plan. A written certification per the requirements of 40 CFR 761.61(a)(3) is enclosed as Attachment D. As such, this letter and its attachments constitute an application per 40 CFR 761.61(c)(1).

GM has conducted the proposed investigations (Tasks 1 and 2) and intends to proceed with the cleaning and abandonment (Tasks 3, 4 and 5) when temperatures are above freezing for the approximately 4 week duration of the work. It is anticipated that favorable weather conditions will occur beginning on approximately January 16, 2006.

If you have any questions or require further information, please call me at (937) 455-2636.

Sincerely,

Pamela L. Barnett

Pamela L. Barnett, P.G.
Project Manager
BOW Environmental Solutions, Inc. on Behalf of GM

Attachments (4)

c.c.: Jean Caufield, GM Remediation
Pamela Hull, Ohio EPA
Carl Bridges, Peerless Transportation Company
Chris Lipson, City of Dayton

ATTACHMENT A

PROPOSED STORM SEWER ABANDONMENT WORK PLAN (REVISION 2)

CONESTOGA-ROVERS & ASSOCIATES

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MEMORANDUM

TO: Pam Barnett (REALM)

REF. NO.: 12638/pw/38
(12638Polston-12-AttA)

FROM: Sylvie Eastman (CRA)

DATE: January 6, 2005

C.C.: Jean Caufield (GM Remediation)
Chuck Kronbach (GM Communication)
Laura Romeo/Terry Conway (GM legal)
Ian Richardson (CRA)
Jim Little/Christine Horch (H&A)
Steve Song/Rich Kapuscinski (ENVIRON)

RE: Proposed Storm Sewer Abandonment Work Plan (Revision 2)
Former Delphi Harrison Thermal Systems Facility – Dayton, Ohio

This memorandum presents the proposed Storm Sewer Abandonment Work Plan (Work Plan) for the former Delphi Harrison Thermal Systems Facility (Site) in Dayton, Ohio.

GM proposes to:

1. Locate manholes not identified on previous plans, determine connections for any manholes where connections are not identified on previous plans, and sample water and/or sediment in any manholes not previously sampled;

2. Clean manholes between Webster and Taylor Streets to allow sewers to be sealed;

3. Remove sediment from sewer lines between Webster and Taylor Streets that are suspected, based on disposal characterization sample results of manhole sediment, to contain PCB concentrations greater than 50 mg/kg and/or RCRA hazardous material;

4. Abandon sewers between Webster and Taylor Streets by constructing bulkheads at sewer junctions as needed, and placing flowable fill into the sewer lines; and

5. Remove sediment from sewer lines along Taylor Street that will remain in use.

The objective of the proposed storm sewer abandonment is to eliminate the potential for release of sediment from the storm sewers between Webster and Taylor Streets to the City storm sewer along Pitt Street and thereby to the Mad River.

During implementation of this Work Plan, wastes will be managed and disposed in accordance with applicable regulations. After the sewer lines are grouted, there will be no opportunity for future human exposure to or environmental release of any sediments.

I. PRIOR RFI STORM SEWER SAMPLING ACTIVITIES

The objective of the RFI storm sewer sampling was to identify the nature and extent of any release of hazardous waste and/or hazardous constituents in or from the storm sewers at the Site.

Samples were collected during dry (no flow) conditions in April 2002 and during wet (flow) conditions in October 2004. Tables 1a and 1b present the sewer sediment and water sample results, respectively, from sewers located between Webster and Taylor Streets.

The storm sewer sample results were evaluated against risk-based screening criteria, and submitted to the USEPA and the City of Dayton in the Stage 3 Data Package and Proposed Stage 4 Sampling Event dated September 3, 2004, and the Storm Sewer Sample Results – Summary and Recommendations dated January 10, 2005. The primary constituents of concern in the sewers are PCBs and chlorinated VOCs (primarily PCE and TCE). PAHs and inorganics have also exceeded soil or groundwater screening criteria in sediment and/or water samples, respectively, but these are generally more isolated exceedances. Figures 1a and 1b present a summary of the water and sediment sample results for sewer samples collected between Webster and Taylor Streets for constituents that exceed risk-based criteria and identify results exceeding risk-based screening criteria for soil and groundwater.

A section of the storm sewer along Taylor St. between MH-11 and MH-19 was cleaned in August 2004. The sediment removed from this portion of the storm sewer was characterized for disposal and was found to be hazardous for PCE and TCE. Characterization sample results are presented in Appendix A.

II. PROPOSED ACTIVITIES

Task 1 - Storm Sewer Investigation

The objectives of the proposed additional storm sewer investigation are to i) locate any manholes not identified on previous plans; ii) determine connections for any manholes where storm sewer lines are not identified on previous plans; and iii) facilitate segregation of sediment to be removed from storm sewer lines, thereby minimizing the volume of material that may need to be disposed of as TSCA or RCRA hazardous material.

The concrete slab between Webster and Taylor Street was inspected following demolition and no additional manholes were observed that were not identified as either process or storm manholes on the existing plans.

Water and/or sediment samples were collected from storm sewer manholes not previously sampled, and analyzed for TCL VOCs, TCL SVOCs, TCL PCBs, and TAL metals (excluding Al, Ca, Fe, Mg, K, and Na). Proposed sample locations are shown on Figure 2, and included MH-1, MH-2, MH-3, MH-4, MH-10, MH-13, MH-17, MH-27, MH-28, MH-34, MH-35, MH-36, MH-38, MH-39, and MH-74. All of these locations were sampled with the exception of MH-74, which was found to be filled with concrete. Figures 1a and 1b present a summary of the water and sediment sample results for sewer samples collected between Webster

and Taylor Streets for constituents that exceed risk-based criteria. In addition, MH-29 upstream of INT-8 will be sampled concurrent with manhole cleaning activities identified in Task 2. This manhole has not yet been sampled due to security and access restrictions.

Dye testing was used to attempt to determine connections to sewers for all manholes without connections previously identified. Proposed dye testing locations are shown on Figure 2, and included MH-37, MH-38, MH-39 and MH-74. Dye testing was conducted at MH-39 and this manhole was found to discharge to MH-34. Dye testing was not conducted at MH-74 because this manhole was found to be filled with concrete. Dye testing was not conducted at MH-37 and MH-38 because these manholes contained too much sediment to allow the dye to flow into the sewer lines. These manhole connections will be investigated concurrent with sewer cleaning. There is a process manhole located approximately 50 feet south of MH-37 and based on the observed sewer orientation in the manhole it is anticipated that this line is connected with MH-37. There is a series of roof drains west of MH-38 culminating in a manhole at the upstream end of the Webster Street storm sewer, that may be the discharge location for MH-38.

Based on the results from this proposed sewer investigation, the proposed cleaning procedures identified in the following Tasks 2 and 3 have been reevaluated.

Task 2 - Proposed Manhole Cleaning (Manholes Between Webster and Taylor Street) and Integrity Assessment

The objective of the proposed manhole cleaning is to allow a seal between the sewer walls and the bulkhead to be installed in the sewer line, thereby eliminating migration of sediment or water through the sewer lines.

All manholes located between Webster and Taylor Streets will be cleaned as identified on Figure 2. The outlet from the manhole will be blocked, sediment and water will be removed with a vacuum truck, the "false bottom" (if any) will be broken, and debris will be removed. A pressure washer may be used to break up consolidated sediment and debris. Appropriate confined space entry procedures will be used, if necessary.

In addition, at selected manhole junctions, the ends of each sewer run will be cleaned to allow the bonding of a bulkhead to the edges of the sewer pipeline. Cleaning the sewer line itself is not necessary to prevent contaminant migration in the case of low solubility chemicals such as PCBs.

All sediment, water, and debris resulting from the manhole cleaning will be containerized. Containerized materials will be segregated, characterized, and disposed of in accordance with applicable regulations.

Material will be segregated based on maximum recorded concentrations of PCE, TCE and/ or PCBs in sediment. Sediment with a PCB concentration greater than 50 mg/kg will be handled as TSCA-regulated waste. As previously discussed, sediment from the storm sewer cleaning activities conducted in August 2004 was found to be RCRA hazardous for PCE and TCE based on the TCLP results presented in Appendix A; the concentrations of these constituents in the manhole samples from this area analyzed for TCL VOCs ranged from 1,700 to 5,600 µg/kg for PCE and 330 to 810 µg/kg for TCE. Therefore a level of 100 µg/kg for either PCE or TCE has been conservatively selected to indicate potential RCRA hazardous waste for purposes of initial material segregation.

Materials will be segregated as follows (see Figure 3):

Sediment Type	Sediment Concentrations Characteristic of Sediment Type	Manhole ID Suspected to Contain Sediment of Stated Type
Type 1	PCE and/or TCE >100 µg/kg and PCBs > 50 mg/kg	MH-37
Type 2	PCBs > 50 mg/kg	MH-1, MH-12, MH-15, MH-16, MH-17, and INT-8
Type 3	PCE and/or TCE >100 µg/kg	Taylor Street Manholes (see Task 5), and MH-39
Type 4	PCBs < 50 mg/kg, PCE < 100 µg/kg and TCE < 100 µg/kg	MH-2, MH-3, MH-4, MH-5, MH-6, MH-25, MH-26, MH-27, MH-28, MH-34, MH-35, MH-36, MH-38, and INT-5

Note that manholes from the same line have been grouped together based on the highest concentrations from any manhole along that sewer line.

Type 4 manholes will be cleaned first, and a composite sample of the Type 4 sediment will be collected and analyzed for TCLP parameters and PCBs on a rapid turn around time. The need for cleaning the sewer lines associated with Type 4 manholes will be evaluated on this basis. If the Type 4 sediment is found to be TSCA or RCRA hazardous waste, then the sewer lines associated with the Type 4 manholes will be cleaned.

The Type 1, 2 and 3 manholes will be cleaned concurrent with the sewers associated with these manholes (see Task 3). Following cleaning, the integrity of these manholes will be assessed. Soil will be sampled from beneath manholes with poor integrity.

Task 3 - Proposed Sewer Cleaning (Sewers Between Webster and Taylor Street)

The objective of the proposed sewer cleaning between Webster and Taylor Street is to remove sediment from lines which, based on the manhole sample results, are suspected to contain TSCA (i.e. PCB concentrations above 50 mg/kg) and/or RCRA hazardous material. Therefore, the sewer lines associated with Types 1, 2 and 3 manholes (as identified on Figures 2 and 3) will be cleaned. In addition, the sewer lines associated with Type 4 sediment will be cleaned if the composite sample results for TCLP parameters and PCBs indicate that this material contains TSCA and/or RCRA hazardous material.

Sewer cleaning will be conducted in an upstream to downstream direction. The downstream end of the sewer will be plugged during cleaning and all sediment, water, and debris will be removed and containerized. Containerized materials resulting from the sewer cleaning will be segregated, characterized, and disposed of in accordance with applicable regulations.

Sewer lines will be cleaned in order based on the associated sediment type, from least contaminated (Type 3) to most contaminated (Type 1). The need for cleaning Type 4 sewer lines will be evaluated based on the sediment composite sample results. Material will be segregated into Types 1, 2, 3, or 4 based on the criteria presented in Task 2.

Sewers will be videotaped following cleaning to verify that the cleaning was effective.

Task 4 - Proposed Sewer Abandonment (Sewers Between Webster and Taylor Street)

The objective of the proposed sewer abandonment is to eliminate migration of sediment or water through the sewer lines.

The sewers proposed for abandonment are those under the building slab located in the western portion of the Site as identified on Figure 2. Sewer abandonment will be coordinated with the City of Dayton (City). It is GM's understanding that the City does not plan on reusing the storm sewer lines beneath the building slab. However, if the City determines that certain lines will be reused, abandonment procedures will be re-evaluated.

Schematics of the sewer abandonment are shown on Figures 4 and 5. Activities will consist of the following:

- Concrete Bulkhead – Bulkheads will be constructed of concrete slurry to prevent migration of any material from the pipeline. Each bulkhead will include either a pipe for introducing the grout after the concrete in the bulkhead has set, or a vent pipe. Bulkhead locations will be strategically selected to minimize the total number of bulkheads constructed.
- Grout Sewers – The sewer run between each pair of bulkheads will be grouted by pumping a liquid slurry into the pipeline through the bulkhead's pipe and/or through open manholes upstream. The liquid slurry grout will flow to the bulkhead at the end of the sewer run.

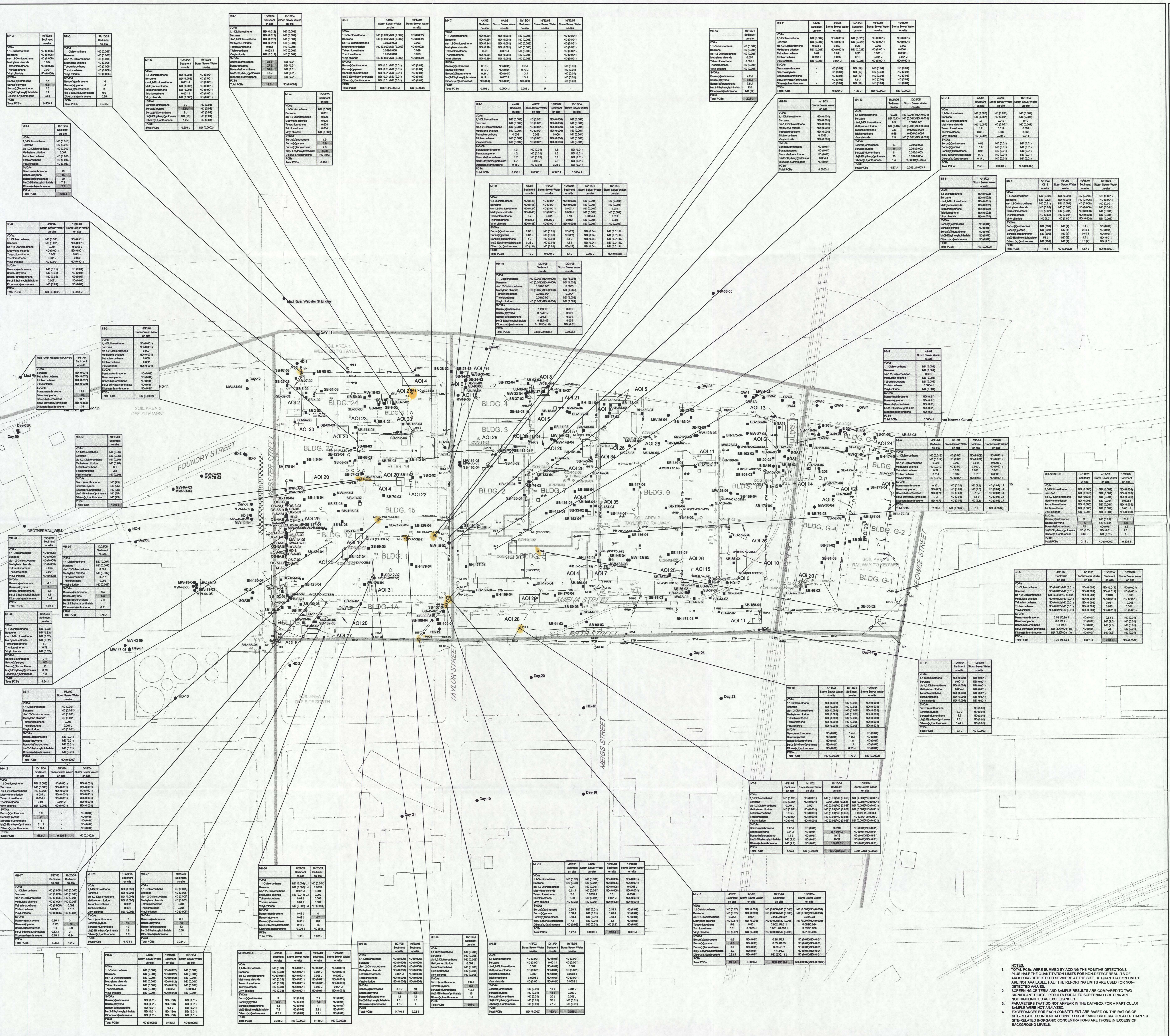
Task 5 - Proposed Sewer Cleaning and Videotaping (Sewers Along Taylor Street)

The objectives of the proposed sewer cleaning and videotaping are, respectively, to remove sediment from the sewers that will remain in use, thereby eliminating the potential for discharge of this material to the City sewer along Pitt Street and the Mad River, and to verify that the sewers are in a suitable condition for reuse. It is assumed that sewer repair, if necessary, will be conducted by the City.

The sewers proposed for cleaning and videotaping are those located along Taylor Street as identified on Figure 2. Sewers will be cleaned using the procedure identified in Task 3. Following cleaning, the sewers will be videotaped during low flow conditions. This will verify that all sediment has been removed, identify the condition of the sewer pipe, and locate any influent lines not identified during the manhole survey completed during Stage 1 RFI sampling.

Scheduling

A schedule for the proposed work is presented on Figure 6.



MH-2	10/10/05 Sediment on-site
VOAs	
1,1-Dichloroethene	ND (0.008)
Benzene	ND (0.008)
cis-1,2-Dichloroethene	ND (0.008)
Methylene chloride	0.004
Tetrachloroethene	ND (0.008)
Trichloroethene	0.001
Vinyl chloride	ND (0.008)
SVOAs	
Benzo(a)anthracene	7.7
Benzo(a)pyrene	6.5
Benzo(b)fluoranthene	7.6
bis(2-Ethylhexyl)phthalate	2.1
Dibenz(a,h)anthracene	0.84
PCBs	
Total PCBs	0.559 J

MH-3	10/10/05 Sediment on-site
VOAs	
1,1-Dichloroethene	ND (0.006)
Benzene	ND (0.006)
cis-1,2-Dichloroethene	ND (0.006)
Methylene chloride	ND (0.006)
Tetrachloroethene	ND (0.006)
Trichloroethene	ND (0.006)
Vinyl chloride	ND (0.006)
SVOAs	
Benzo(a)anthracene	1.6
Benzo(a)pyrene	1.6
Benzo(b)fluoranthene	2
bis(2-Ethylhexyl)phthalate	0.9
Dibenz(a,h)anthracene	0.25
PCBs	
Total PCBs	0.459 J

MH-5	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site
VOAs		
1,1-Dichloroethene	ND (0.012)	ND (0.001)
Benzene	ND (0.012)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.012)	ND (0.001)
Methylene chloride	ND (0.012)	ND (0.001)
Tetrachloroethene	0.052	ND (0.001)
Trichloroethene	0.003 J	ND (0.001)
Vinyl chloride	ND (0.012)	ND (0.001)
SVOAs		
Benzo(a)anthracene	33 J	ND (0.01)
Benzo(a)pyrene	27 J	ND (0.01)
Benzo(b)fluoranthene	39 J	ND (0.01)
bis(2-Ethylhexyl)phthalate	9.6 J	ND (0.01)
Dibenz(a,h)anthracene	3 J	ND (0.01)
PCBs		
Total PCBs	13.5 J	ND (0.0002)

MH-6	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site
VOAs		
1,1-Dichloroethene	ND (0.006)	ND (0.001)
Benzene	ND (0.006)	ND (0.001)
cis-1,2-Dichloroethene	0.001 J	ND (0.001)
Methylene chloride	ND (0.006)	ND (0.001)
Tetrachloroethene	ND (0.006)	ND (0.001)
Trichloroethene	0.001 J	ND (0.001)
Vinyl chloride	ND (0.006)	ND (0.001)
SVOAs		
Benzo(a)anthracene	7 J	ND (0.01)
Benzo(a)pyrene	6.6 J	ND (0.01)
Benzo(b)fluoranthene	9 J	ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (10)	ND (0.01)
Dibenz(a,h)anthracene	1.2 J	ND (0.01)
PCBs		
Total PCBs	0.204 J	ND (0.0002)

MH-4	10/10/05 Sediment on-site
VOAs	
1,1-Dichloroethene	ND (0.008)
Benzene	0.001
cis-1,2-Dichloroethene	0.006
Methylene chloride	0.005
Tetrachloroethene	0.008
Trichloroethene	0.004
Vinyl chloride	ND (0.008)
SVOAs	
Benzo(a)anthracene	7.9
Benzo(a)pyrene	6.9
Benzo(b)fluoranthene	7.6
bis(2-Ethylhexyl)phthalate	1400
Dibenz(a,h)anthracene	ND (100)
PCBs	
Total PCBs	0.491 J

BS-1	4/9/02 Storm Sewer Water on-site	10/13/04 Storm Sewer Water on-site
VOAs		
1,1-Dichloroethene	ND (0.002)/ND (0.002)	ND (0.002)
Benzene	ND (0.002)/ND (0.002)	ND (0.002)
cis-1,2-Dichloroethene	0.002/0.002	0.003
Methylene chloride	ND (0.002)/ND (0.002)	ND (0.002)
Tetrachloroethene	0.059/0.058	0.069
Trichloroethene	0.016/0.016	0.026
Vinyl chloride	ND (0.002)/ND (0.002)	ND (0.002)
SVOAs		
Benzo(a)anthracene	ND (0.01)/ND (0.01)	ND (0.01)
Benzo(a)pyrene	ND (0.01)/ND (0.01)	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)/ND (0.01)	ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (0.01)/ND (0.01)	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)/ND (0.01)	ND (0.01)
PCBs		
Total PCBs	0.001 J/0.0004 J	ND (0.0002)

MH-7	4/4/02 Sediment on-site	4/4/02 Storm Sewer Water on-site	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site	10/13/04 Storm Sewer Water on-site
VOAs					
1,1-Dichloroethene	ND (0.29)	ND (0.001)	ND (0.006)	-	ND (0.001)
Benzene	ND (0.29)	ND (0.001)	ND (0.006)	-	ND (0.001)
cis-1,2-Dichloroethene	ND (0.14)	ND (0.001)	ND (0.006)	-	ND (0.001)
Methylene chloride	ND (0.29)	ND (0.001)	ND (0.006)	-	ND (0.001)
Tetrachloroethene	0.43	0.001 J	ND (0.006)	-	ND (0.001)
Trichloroethene	ND (0.29)	ND (0.001)	ND (0.006)	-	ND (0.001)
Vinyl chloride	ND (0.29)	ND (0.001)	ND (0.006)	-	ND (0.001)
SVOAs					
Benzo(a)anthracene	0.15 J	ND (0.01)	0.7 J	-	ND (0.01)
Benzo(a)pyrene	0.19 J	ND (0.01)	0.79 J	-	ND (0.01)
Benzo(b)fluoranthene	0.24 J	ND (0.01)	1.3 J	-	ND (0.01)
bis(2-Ethylhexyl)phthalate	0.19 J	0.007 J	1.3 J	-	ND (0.01)
Dibenz(a,h)anthracene	ND (0.4)	ND (0.01)	ND (3.9)	-	ND (0.01)
PCBs					
Total PCBs	0.198 J	0.0004 J	0.283 J	R	-

MH-8	4/4/02 Sediment on-site	4/4/02 Storm Sewer Water on-site	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site
VOAs				
1,1-Dichloroethene	ND (0.007)	ND (0.001)	ND (0.006)	ND (0.001)
Benzene	ND (0.007)	ND (0.001)	ND (0.006)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.004)	ND (0.001)	ND (0.006)	ND (0.001)
Methylene chloride	ND (0.007)	ND (0.001)	ND (0.006)	ND (0.001)
Tetrachloroethene	0.036	0.003	0.008	ND (0.001)
Trichloroethene	ND (0.007)	ND (0.001)	ND (0.006)	ND (0.001)
Vinyl chloride	ND (0.007)	ND (0.001)	ND (0.006)	ND (0.001)
SVOAs				
Benzo(a)anthracene	1.3	ND (0.01)	1.6	ND (0.01)
Benzo(a)pyrene	1.2	ND (0.01)	1.6	ND (0.01)
Benzo(b)fluoranthene	1.7	ND (0.01)	3.1	ND (0.01)
bis(2-Ethylhexyl)phthalate	4.7	0.003 J	2.9	ND (0.01)
Dibenz(a,h)anthracene	0.15 J	ND (0.01)	0.25 J	ND (0.01)
PCBs				
Total PCBs	0.258 J	0.0003 J	0.947 J	0.0004 J

MH-9	4/5/02 Sediment on-site	4/5/02 Storm Sewer Water on-site	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site	10/15/04 Storm Sewer Water on-site
VOAs					
1,1-Dichloroethene	ND (0.48)	ND (0.001)	ND (0.008)	ND (0.001)	ND (0.001)
Benzene	ND (0.48)	ND (0.001)	ND (0.008)	ND (0.001)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.24)	ND (0.001)	0.007 J	ND (0.001)	0.001
Methylene chloride	ND (0.48)	ND (0.001)	0.006 J	ND (0.001)	ND (0.001)
Tetrachloroethene	3.7	0.001	0.13	0.0004 J	0.013
Trichloroethene	0.076 J	0.0002 J	0.012	ND (0.001)	0.003
Vinyl chloride	ND (0.48)	ND (0.001)	ND (0.008)	ND (0.001)	ND (0.001)
SVOAs					
Benzo(a)anthracene	0.86 J	ND (0.01)	ND (27)	ND (0.04)	ND (0.01) UJ
Benzo(a)pyrene	0.87 J	ND (0.01)	ND (27)	ND (0.04)	ND (0.01) UJ
Benzo(b)fluoranthene	1 J	ND (0.01)	2.1 J	ND (0.04)	ND (0.01) UJ
bis(2-Ethylhexyl)phthalate	0.38 J	ND (0.01)	12 J	ND (0.04)	ND (0.01) UJ
Dibenz(a,h)anthracene	ND (1.6)	ND (0.01)	ND (27)	ND (0.04)	ND (0.01) UJ
PCBs					
Total PCBs	1.19 J	0.0004 J	6.1 J	0.002 J	ND (0.0002)

MH-10	10/24/05 Sediment on-site	10/24/05 Storm Sewer Water on-site
VOAs		
1,1-Dichloroethene	ND (0.007)/ND (0.006)	ND (0.001)
Benzene	ND (0.007)/ND (0.006)	ND (0.001)
cis-1,2-Dichloroethene	0.001/0.001	0.0003
Methylene chloride	ND (0.007)/ND (0.006)	ND (0.005)
Tetrachloroethene	0.006/0.004	0.0004
Trichloroethene	0.001/0.001	ND (0.001)
Vinyl chloride	ND (0.007)/ND (0.006)	ND (0.001)
SVOAs		
Benzo(a)anthracene	1.2/0.19	0.001
Benzo(a)pyrene	0.79/0.12	0.001
Benzo(b)fluoranthene	1.2/0.21	0.001
bis(2-Ethylhexyl)phthalate	0.68/0.49	0.001
Dibenz(a,h)anthracene	0.11/ND (1.6)	ND (0.01)
PCBs		
Total PCBs	0.828 J/0.836 J	0.0003 J

MH-15	10/13/04 Sediment on-site
VOAs	
1,1-Dichloroethene	ND (0.007)
Benzene	ND (0.007)
cis-1,2-Dichloroethene	ND (0.007)
Methylene chloride	0.007
Tetrachloroethene	0.002 J
Trichloroethene	ND (0.007)
Vinyl chloride	ND (0.007)
SVOAs	
Benzo(a)anthracene	4.2 J
Benzo(a)pyrene	3.8 J
Benzo(b)fluoranthene	7.8 J
bis(2-Ethylhexyl)phthalate	220
Dibenz(a,h)anthracene	ND (52)
PCBs	
Total PCBs	20.8 J

MH-11	4/5/02 Sediment on-site	4/5/02 Storm Sewer Water on-site	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site	10/15/04 Storm Sewer Water on-site
VOAs					
1,1-Dichloroethene	ND (0.007)	ND (0.001)	ND (0.028)	ND (0.001)	ND (0.001)
Benzene	ND (0.007)	ND (0.001)	ND (0.028)	ND (0.001)	ND (0.001)
cis-1,2-Dichloroethene	0.003 J	0.027	0.23	0.003	0.003
Methylene chloride	ND (0.007)	ND (0.001)	ND (0.028)	ND (0.001)	0.0004 J
Tetrachloroethene	0.02	0.011	0.55	0.001 J	0.0003 J
Trichloroethene	0.003 J	0.005	0.13	0.001 J	0.001 J
Vinyl chloride	ND (0.007)	0.001 J	ND (0.028)	ND (0.001)	ND (0.001)
SVOAs					
Benzo(a)anthracene	-	ND (0.01)	ND (19)	ND (0.04)	ND (0.01)
Benzo(a)pyrene	-	ND (0.01)	ND (19)	ND (0.04)	ND (0.01)
Benzo(b)fluoranthene	-	ND (0.01)	ND (19)	ND (0.04)	ND (0.01)
bis(2-Ethylhexyl)phthalate	-	ND (0.01)	7.5 J	ND (0.04)	ND (0.01)
Dibenz(a,h)anthracene	-	ND (0.01)	ND (19)	ND (0.04)	ND (0.01)
PCBs					
Total PCBs	-	0.0004 J	1.33 J	ND (0.0002)	ND (0.0002)

MH-75	4/12/02 Storm Sewer Water on-site
VOAs	
1,1-Dichloroethene	ND (0.001)
Benzene	ND (0.001)
cis-1,2-Dichloroethene	ND (0.001)
Methylene chloride	ND (0.001)
Tetrachloroethene	ND (0.001)
Trichloroethene	0.0002 J
Vinyl chloride	ND (0.001)
SVOAs	
Benzo(a)anthracene	ND (0.01)
Benzo(a)pyrene	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)
bis(2-Ethylhexyl)phthalate	0.004 J
Dibenz(a,h)anthracene	ND (0.01)
PCBs	
Total PCBs	0.0003 J

MH-13	10/24/05 Sediment on-site	10/24/05 Storm Sewer Water on-site
VOAs		
1,1-Dichloroethene	0.023	ND (0.001)/ND (0.001)
Benzene	ND (0.43)	ND (0.001)/ND (0.001)
cis-1,2-Dichloroethene	9.5	0.001/0.001
Methylene chloride	ND (0.43)	ND (0.005)/ND (0.005)
Tetrachloroethene	3.5	0.0003/0.0004
Trichloroethene	0.68	0.0004/0.0004
Vinyl chloride	2.9	ND (0.001)/ND (0.001)
SVOAs		
Benzo(a)anthracene	13	0.001/0.002
Benzo(a)pyrene	9	0.001/0.002
Benzo(b)fluoranthene	11	0.002/0.003
bis(2-Ethylhexyl)phthalate	20	0.002/0.004
Dibenz(a,h)anthracene	1.4	ND (0.01)/0.0004
PCBs		
Total PCBs	4.67 J	0.002 J/0.003 J

MH-14	4/5/02 Sediment on-site	4/5/02 Storm Sewer Water on-site	10/13/04 Storm Sewer Water on-site
VOAs			
1,1-Dichloroethene	ND (0.007)	ND (0.001)	ND (0.007)
Benzene	ND (0.007)	ND (0.001)	ND (0.007)
cis-1,2-Dichloroethene	0.7	0.042	0.19
Methylene chloride	ND (0.007)	ND (0.001)	ND (0.007)
Tetrachloroethene	1.7	0.012	0.059
Trichloroethene	0.33 J	0.007	0.032
Vinyl chloride	ND (0.007)	0.001 J	0.014
SVOAs			
Benzo(a)anthracene	0.83	ND (0.01)	ND (0.01)
Benzo(a)pyrene	0.9	ND (0.01)	ND (0.01)
Benzo(b)fluoranthene	0.98	ND (0.01)	ND (0.01)
bis(2-Ethylhexyl)phthalate	0.72	ND (0.01)	ND (0.01)
Dibenz(a,h)anthracene	0.17 J	ND (0.01)	ND (0.01)
PCBs			
Total PCBs	2.58 J	0.0004 J	ND (0.0002)

BS-6	4/11/02 Storm Sewer Water on-site
VOAs	
1,1-Dichloroethene	ND (0.002)
Benzene	ND (0.002)
cis-1,2-Dichloroethene	ND (0.001)
Methylene chloride	ND (0.002)
Tetrachloroethene	ND (0.002)
Trichloroethene	ND (0.002)
Vinyl chloride	ND (0.002)
SVOAs	
Benzo(a)anthracene	ND (0.01)
Benzo(a)pyrene	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)
PCBs	
Total PCBs	ND (0.0002)

BS-7	4/11/02 Oil_1 on-site	4/11/02 Storm Sewer Water on-site	10/15/04 Sediment on-site	10/15/04 Storm Sewer Water on-site
VOAs				
1,1-Dichloroethene	ND (0.62)	ND (0.001)	ND (0.008)	ND (0.001)
Benzene	ND (0.62)	ND (0.001)	ND (0.008)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.31)	ND (0.001)	ND (0.008)	ND (0.001)
Methylene chloride	ND (0.62)	ND (0.001)	ND (0.008)	ND (0.001)
Tetrachloroethene	ND (0.62)	ND (0.001)	ND (0.008)	ND (0.001)
Trichloroethene	ND (0.62)	ND (0.001)	ND (0.008)	ND (0.001)
Vinyl chloride	ND (1.2)	ND (0.001)	ND (0.008)	ND (0.001)
SVOAs				
Benzo(a)anthracene	ND (200)	ND (1)	0.4 J	ND (0.01)
Benzo(a)pyrene	ND (200)	ND (1)	0.42 J	ND (0.01)
Benzo(b)fluoranthene	ND (200)	ND (1)	0.61 J	ND (0.01)
bis(2-Ethylhexyl)phthalate	58 J	ND (1)	1.5 J	ND (0.01)
Dibenz(a,h)anthracene	ND (200)	ND (1)	ND (2)	ND (0.01)
PCBs				
Total PCBs	1.9 J	ND (0.0002)	1.47 J	ND (0.0002)

MH-1	10/10/05 Sediment on-site
SVOAs	
1,1-Dichloroethene	ND (0.013)
Benzene	ND (0.013)
cis-1,2-Dichloroethene	ND (0.013)
Methylene chloride	0.007
Tetrachloroethene	ND (0.013)
Trichloroethene	ND (0.013)
Vinyl chloride	ND (0.013)
SVOAs	
Benzo(a)anthracene	18
Benzo(a)pyrene	16
Benzo(b)fluoranthene	20
bis(2-Ethylhexyl)phthalate	7.1
Dibenz(a,h)anthracene	2.3
PCBs	
Total PCBs	82.5 J

BS-3	4/12/02 Storm Sewer Water on-site	10/13/04 Storm Sewer Water on-site
VOAs		
1,1-Dichloroethene	ND (0.001)	ND (0.001)
Benzene	ND (0.001)	ND (0.001)
cis-1,2-Dichloroethene	0.001	0.0003 J
Methylene chloride	ND (0.001)	ND (0.001)
Tetrachloroethene	0.002	0.001 J
Trichloroethene	0.001 J	0.003
Vinyl chloride	ND (0.001)	ND (0.001)
SVOAs		
Benzo(a)anthracene	ND (0.01)	ND (0.01)
Benzo(a)pyrene	ND (0.01)	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)	ND (0.01)
bis(2-Ethylhexyl)phthalate	0.007 J	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)	ND (0.01)
PCBs		
Total PCBs	ND (0.0002)	0.0005 J

BS-2	10/13/04 Storm Sewer Water on-site
VOAs	
1,1-Dichloroethene	ND (0.001)
Benzene	ND (0.001)
cis-1,2-Dichloroethene	0.007
Methylene chloride	ND (0.001)
Tetrachloroethene	0.005
Trichloroethene	0.002
Vinyl chloride	ND (0.001)
SVOAs	
Benzo(a)anthracene	ND (0.01)
Benzo(a)pyrene	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)
PCBs	
Total PCBs	ND (0.0002)

Mad River Webster St Culvert	11/11/04 Sediment off-site
VOAs	
Benzene	ND (0.007)
Tetrachloroethene	ND (0.007)
Trichloroethene	ND (0.007)
Vinyl chloride	ND (0.003)
SVOAs	
Benzo(a)anthracene	9.83
Benzo(a)pyrene	0.98
Benzo(b)fluoranthene	13.7
bis(2-Ethylhexyl)phthalate	ND (0.462)
Dibenz(a,h)anthracene	1.04

MH-37	10/13/04 Sediment on-site
VOAs	
1,1-Dichloroethene	ND (0.96)
Benzene	ND (0.96)
cis-1,2-Dichloroethene	ND (0.96)
Methylene chloride	ND (0.96)
Tetrachloroethene	6.1
Trichloroethene	2.8
Vinyl chloride	ND (0.96)
SVOAs	
Benzo(a)anthracene	ND (25)
Benzo(a)pyrene	ND (25)
Benzo(b)fluoranthene	ND (25)
bis(2-Ethylhexyl)phthalate	ND (25)
Dibenz(a,h)anthracene	ND (25)
PCBs	
Total PCBs	1940 J

MH-38	10/20/05 Sediment on-site
VOAs	
1,1-Dichloroethene	ND (0.005)
Benzene	ND (0.005)
cis-1,2-Dichloroethene	ND (0.005)
Methylene chloride	ND (0.005)
Tetrachloroethene	0.003
Trichloroethene	0.001
Vinyl chloride	ND (0.005)
SVOAs	
Benzo(a)anthracene	4.3
Benzo(a)pyrene	3.9
Benzo(b)fluoranthene	5.5
bis(2-Ethylhexyl)phthalate	1.3
Dibenz(a,h)anthracene	0.44
PCBs	
Total PCBs	5.03 J

MH-34	10/24/05 Sediment on-site
VOAs	
1,1-Dichloroethene	ND (0.007)
Benzene	ND (0.007)
cis-1,2-Dichloroethene	0.001
Methylene chloride	ND (0.007)
Tetrachloroethene	0.017
Trichloroethene	0.009
Vinyl chloride	ND (0.007)
SVOAs	
Benzo(a)anthracene	6.4
Benzo(a)pyrene	5.3
Benzo(b)fluoranthene	7.8
bis(2-Ethylhexyl)phthalate	1
Dibenz(a,h)anthracene	0.91
PCBs	
Total PCBs	1.78 J

MH-39	10/20/05 Sediment on-site
VOAs	
1,1-Dichloroethene	ND (0.32)
Benzene	ND (0.32)
cis-1,2-Dichloroethene	ND (0.32)
Methylene chloride	ND (0.32)
Tetrachloroethene	6.7
Trichloroethene	0.78
Vinyl chloride	ND (0.32)
SVOAs	
Benzo(a)anthracene	7.4
Benzo(a)pyrene	9.7
Benzo(b)fluoranthene	15
bis(2-Ethylhexyl)phthalate	0.76
Dibenz(a,h)anthracene	1.2
PCBs	
Total PCBs	4.64 J

BS-4	4/12/02 Storm Sewer Water on-site
VOAs	
1,1-Dichloroethene	ND (0.001)
Benzene	ND (0.001)
cis-1,2-Dichloroethene	ND (0.001)
Methylene chloride	ND (0.001)
Tetrachloroethene	0.003
Trichloroethene	0.001 J
Vinyl chloride	ND (0.001)
SVOAs	
Benzo(a)anthracene	ND (0.01)
Benzo(a)pyrene	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)
PCBs	
Total PCBs	ND (0.0002)

MH-12	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site	10/15/04 Storm Sewer Water on-site
VOAs			
1,1-Dichloroethene	ND (0.008)	ND (0.001)	ND (0.001)
Benzene	ND (0.008)	ND (0.001)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.008)	ND (0.001)	ND (0.001)
Methylene chloride	0.004 J	ND (0.001)	ND (0.001)
Tetrachloroethene	0.004 J	ND (0.001)	ND (0.001)
Trichloroethene	0.01	0.001 J	ND (0.001)
Vinyl chloride	ND (0.008)	ND (0.001)	ND (0.001)
SVOAs			
Benzo(a)anthracene	8.3	-	ND (0.01)
Benzo(a)pyrene	9	-	ND (0.01)
Benzo(b)fluoranthene	13	-	ND (0.01)
bis(2-Ethylhexyl)phthalate	3.1 J	-	ND (0.01)
Dibenz(a,h)anthracene	1.5 J	-	ND (0.01)
PCBs			
Total PCBs	55.8 J	0.309 J	ND (0.0002)

MH-17	6/27/05 Sediment on-site	10/20/05 Sediment on-site
VOAs		
1,1-Dichloroethene	ND (0.006)	ND (0.005)
Benzene	ND (0.006)	ND (0.005)
cis-1,2-Dichloroethene	ND (0.006)	ND (0.005)
Methylene chloride	ND (0.006)	ND (0.005)
Tetrachloroethene	ND (0.006)	0.002
Trichloroethene	0.0005 J	0.015
Vinyl chloride	ND (0.006)	ND (0.005)
SVOAs		
Benzo(a)anthracene	0.85 J	3.1
Benzo(a)pyrene	0.92	3
Benzo(b)fluoranthene	1.6	4.6
bis(2-Ethylhexyl)phthalate	0.53 J	2.1
Dibenz(a,h)anthracene	0.15 J	0.24
PCBs		
Total PCBs	1.96 J	7.04 J

MH-28	10/20/05 Sediment on-site
VOAs	
1,1-Dichloroethene	ND (0.006)
Benzene	ND (0.006)
cis-1,2-Dichloroethene	ND (0.006)
Methylene chloride	ND (0.006)
Tetrachloroethene	0.002
Trichloroethene	0.001
Vinyl chloride	ND (0.006)
SVOAs	
Benzo(a)anthracene	13
Benzo(a)pyrene	13
Benzo(b)fluoranthene	19
bis(2-Ethylhexyl)phthalate	1.8
Dibenz(a,h)anthracene	1.8
PCBs	
Total PCBs	0.773 J

MH-27	10/20/05 Sediment on-site
VOAs	
1,1-Dichloroethene	ND (0.005)
Benzene	ND (0.005)
cis-1,2-Dichloroethene	ND (0.005)
Methylene chloride	ND (0.005)
Tetrachloroethene	0.001
Trichloroethene	0.001
Vinyl chloride	ND (0.005)
SVOAs	
Benzo(a)anthracene	8.1
Benzo(a)pyrene	7.2
Benzo(b)fluoranthene	12
bis(2-Ethylhexyl)phthalate	0.66
Dibenz(a,h)anthracene	1
PCBs	
Total PCBs	0.224 J

MH-36	6/27/05 Sediment on-site	10/20/05 Sediment on-site
VOAs		
1,1-Dichloroethene	ND (0.006) UJ	ND (0.004)
Benzene	ND (0.006) UJ	0.0003
cis-1,2-Dichloroethene	0.001 J	0.001
Methylene chloride	ND (0.011) UJ	0.002
Tetrachloroethene	0.02 J	0.006
Trichloroethene	0.01 J	0.007
Vinyl chloride	ND (0.006) UJ	ND (0.004)
SVOAs		
Benzo(a)anthracene	0.45 J	4
Benzo(a)pyrene	0.42 J	4.7
Benzo(b)fluoranthene	0.58 J	6.8
bis(2-Ethylhexyl)phthalate	0.17 J	33
Dibenz(a,h)anthracene	0.076 J	ND (54)
PCBs		
Total PCBs	1.03 J	0.961 J

INT-5	4/8/02 Storm Sewer Water on-site	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site
VOAs			
1,1-Dichloroethene	ND (0.001)	ND (0.012)	ND (0.001)
Benzene	ND (0.001)	ND (0.012)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.001)	ND (0.012)	ND (0.001)
Methylene chloride	ND (0.001)	ND (0.012)	ND (0.001)
Tetrachloroethene	ND (0.001)	ND (0.012)	ND (0.001)
Trichloroethene	ND (0.001)	0.002 J	0.0003 J
Vinyl chloride	ND (0.001)	ND (0.012)	ND (0.001)
SVOAs			
Benzo(a)anthracene	ND (0.01)	ND (130)	ND (0.01)
Benzo(a)pyrene	ND (0.01)	ND (130)	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)	9.6 J	ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (0.01)	ND (130)	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)	ND (130)	ND (0.01)
PCBs			
Total PCBs	ND (0.0002)	0.443 J	ND (0.0002)

MH-26-INT-6	4/8/02 Sediment on-site	4/8/02 Storm Sewer Water on-site	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site
VOAs				
1,1-Dichloroethene	ND (0.03)	ND (0.001)	ND (0.011)	ND (0.001)
Benzene	ND (0.03)	ND (0.001)	0.001 J	ND (0.001)
cis-1,2-Dichloroethene	ND (0.015)	ND (0.001)	0.003 J	0.0002 J
Methylene chloride	ND (0.03)	ND (0.001)	ND (0.011)	ND (0.001)
Tetrachloroethene	ND (0.03)	ND (0.001)	ND (0.011)	ND (0.001)
Trichloroethene	ND (0.03)	ND (0.001)	0.003 J	0.001 J
Vinyl chloride	ND (0.03)	ND (0.001)	ND (0.011)	ND (0.001)
SVOAs				
Benzo(a)anthracene	3	ND (0.01)	7.1	ND (0.01)
Benzo(a)pyrene	3.9	ND (0.01)	7.2	ND (0.01)
Benzo(b)fluoranthene	4.3	ND (0.01)	11	ND (0.01)
bis(2-Ethylhexyl)phthalate	7.8	ND (0.01)	2.4 J	ND (0.01)
Dibenz(a,h)anthracene	0.7 J	ND (0.01)	1.1 J	ND (0.01)
PCBs				
Total PCBs	0.318 J	ND (0.0002)	0.145 J	ND (0.0002)

MH-35	6/27/05 Sediment on-site	10/20/05 Sediment on-site
VOAs		
1,1-Dichloroethene	ND (0.006)	ND (0.006)
Benzene	ND (0.006)	ND (0.006)
cis-1,2-Dichloroethene	ND (0.006)	ND (0.006)
Methylene chloride	ND (0.006)	ND (0.006)
Tetrachloroethene	0.001 J	ND (0.006)
Trichloroethene	ND (0.006)	ND (0.006)
Vinyl chloride	ND (0.006)	ND (0.006)
SVOAs		
Benzo(a)anthracene	8.3 J	10
Benzo(a)pyrene	9.2	8.8
Benzo(b)fluoranthene	12	12
bis(2-Ethylhexyl)phthalate	1.8 J	1.3
Dibenz(a,h)anthracene	1.8 J	1
PCBs		
Total PCBs	0.746 J	2.22 J

MH-16	10/13/04 Sediment on-site
VOAs	
1,1-Dichloroethene	ND (0.006)
Benzene	ND (0.006)
cis-1,2-Dichloroethene	ND (0.006)
Methylene chloride	0.004 J
Tetrachloroethene	ND (0.006)
Trichloroethene	ND (0.006)
Vinyl chloride	ND (0.006)
SVOAs	
Benzo(a)anthracene	2.8 J
Benzo(a)pyrene	3 J
Benzo(b)fluoranthene	4.3 J
bis(2-Ethylhexyl)phthalate	13
Dibenz(a,h)anthracene	1 J
PCBs	
Total PCBs	347 J

MH-25	4/8/02 Storm Sewer Water on-site	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site
VOAs			
1,1-Dichloroethene	ND (0.001)	ND (0.01)	ND (0.001)
Benzene	ND (0.001)	0.001 J	ND (0.001)
cis-1,2-Dichloroethene	0.001	ND (0.01)	0.002
Methylene chloride	ND (0.001)	ND (0.01)	ND (0.001)
Tetrachloroethene	0.002	ND (0.01)	0.0003 J
Trichloroethene	0.0005 J	ND (0.01)	ND (0.001)
Vinyl chloride	ND (0.001)	ND (0.01)	0.0002 J
SVOAs			
Benzo(a)anthracene	ND (0.01)	15 J	0.001 J
Benzo(a)pyrene	ND (0.01)	13 J	0.002 J
Benzo(b)fluoranthene	ND (0.01)	20 J	0.002 J
bis(2-Ethylhexyl)phthalate	ND (0.01)	30 J	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)	2.1 J	ND (0.01)
PCBs			
Total PCBs	ND (0.0002)	15.4 J	0.056 J

MH-19	4/8/02 Sediment on-site	4/8/02 Storm Sewer Water on-site	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site
VOAs				
1,1-Dichloroethene	ND (0.32)	ND (0.001)	ND (0.006)	ND (0.001)
Benzene	ND (0.32)	ND (0.001)	ND (0.006)	ND (0.001)
cis-1,2-Dichloroethene	0.24	ND (0.001)	ND (0.006)	0.0006 J
Methylene chloride	0.11 J	ND (0.001)	ND (0.006)	ND (0.001)
Tetrachloroethene	2.6	0.0003 J	0.01	0.0002 J
Trichloroethene	0.39	ND (0.001)	0.001 J	ND (0.001)
Vinyl chloride	ND (0.32)	ND (0.001)	ND (0.006)	ND (0.001)
SVOAs				
Benzo(a)anthracene	0.29 J	ND (0.01)	0.18 J	ND (0.01)
Benzo(a)pyrene	0.38 J	ND (0.01)	0.28 J	ND (0.01)
Benzo(b)fluoranthene	0.56 J	ND (0.01)	0.48 J	ND (0.01)
bis(2-Ethylhexyl)phthalate	7.8	ND (0.01)	3.8	ND (0.01)
Dibenz(a,h)anthracene	ND (0.95)	ND (0.01)	ND (1.8)	ND (0.01)
PCBs				
Total PCBs	5.27 J	0.0002 J	12.3 J	0.001 J

MH-18	4/5/02 Sediment on-site	4/5/02 Storm Sewer Water on-site	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site
VOAs				
1,1-Dichloroethene	ND (0.67)	ND (0.001)	ND (0.006)/ND (0.006)	ND (0.007)/ND (0.008)
Benzene	ND (0.67)	ND (0.001)	ND (0.006)/ND (0.006)	ND (0.007)/ND (0.008)
cis-1,2-Dichloroethene	0.22 J	0.001	0.005 J/0.007	0.23/0.23
Methylene chloride	ND (0.67)	ND (0.001)	ND (0.006)/ND (0.006)	ND (0.007)/ND (0.008)
Tetrachloroethene	5.6	0.001	0.002 J/0.011	0.062/0.064
Trichloroethene	0.81	0.0003 J	0.001 J/0.003 J	0.038/0.039
Vinyl chloride	ND (0.67)	ND (0.001)	ND (0.006)/ND (0.006)	0.018/0.016
SVOAs				
Benzo(a)anthracene	4.6	ND (0.01)	0.28 J/0.71	ND (0.01)/ND (0.01)
Benzo(a)pyrene	4.3	ND (0.01)	0.33 J/0.63	ND (0.01)/ND (0.01)
Benzo(b)fluoranthene	5.2	ND (0.01)	0.53 J/1.2	ND (0.01)/ND (0.01)
bis(2-Ethylhexyl)phthalate	3.9	ND (0.01)	1.4 J/1.2	ND (0.01)/ND (0.01)
Dibenz(a,h)anthracene	0.93 J	ND (0.01)	ND (2)/0.13 J	ND (0.01)/ND (0.01)
PCBs				
Total PCBs	19.1 J	0.0003 J	12.3 J/11.3 J	ND (0.0002)/ND (0.0002)

MH-69	4/11/02 Storm Sewer Water on-site	10/15/04 Sediment on-site	10/15/04 Storm Sewer Water on-site
VOAs			
1,1-Dichloroethene	ND (0.001)	ND (0.006)	ND (0.001)
Benzene	ND (0.001)	ND (0.006)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.001)	ND (0.006)	ND (0.001)
Methylene chloride	ND (0.001)	ND (0.006)	ND (0.001)
Tetrachloroethene	ND (0.001)	ND (0.006)	ND (0.001)
Trichloroethene	ND (0.001)	ND (0.006)	ND (0.001)
Vinyl chloride	ND (0.001)	ND (0.006)	ND (0.001)
SVOAs			
Benzo(a)anthracene	ND (0.01)	1.4 J	ND (0.01)
Benzo(a)pyrene	ND (0.01)	1.2 J	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)	1.8	ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (0.01)	1 J	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)	0.23 J	ND (0.01)
PCBs			
Total PCBs	ND (0.0002)	1.77 J	ND (0.0002)

INT-8	4/11/02 Sediment on-site	4/11/02 Storm Sewer Water on-site	10/15/04 Sediment on-site	10/15/04 Storm Sewer Water on-site
VOAs				
1,1-Dichloroethene	ND (0.021)	ND (0.001)	ND (0.01)/ND (0.058)	ND (0.001)/ND (0.001)
Benzene	ND (0.021)	ND (0.001)	0.001 J/ND (0.058)	ND (0.001)/ND (0.001)
cis-1,2-Dichloroethene	0.004 J	0.001	ND (0.01)/ND (0.058)	ND (0.001)/ND (0.001)
Methylene chloride	ND (0.021)	ND (0.001)	ND (0.01)/ND (0.058)	ND (0.001)/ND (0.001)
Tetrachloroethene	0.012 J	ND (0.001)	ND (0.01)/ND (0.058)	0.0002 J/0.0003 J
Trichloroethene	ND (0.021)	ND (0.001)	ND (0.01)/ND (0.058)	ND (0.001)/0.0003 J
Vinyl chloride	ND (0.021)	ND (0.001)	ND (0.01)/ND (0.058)	ND (0.001)/ND (0.001)
SVOAs				
Benzo(a)anthracene	0.47 J	ND (0.01)	9.6/19	ND (0.01)/ND (0.01)
Benzo(a)pyrene	0.71 J	ND (0.01)	8.7 J/14 J	ND (0.01)/ND (0.01)
Benzo(b)fluoranthene	1.1 J	ND (0.01)	10/19	ND (0.01)/ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (2.1)	ND (0.01)	29/27	ND (0.01)/ND (0.01)
Dibenz(a,h)anthracene	ND (2.1)	ND (0.01)	1.5 J/2.5 J	ND (0.01)/ND (0.01)
PCBs				
Total PCBs	1.55 J	ND (0.0002)	22.7 J/54.3 J	0.001 J/ND (0.0002)

INT-11	10/15/04 Sediment on-site	10/15/04 Storm Sewer Water on-site
VOAs		
1,1-Dichloroethene	ND (0.009)	ND (0.001)
Benzene	0.001 J	ND (0.001)
cis-1,2-Dichloroethene	ND (0.009)	ND (0.001)
Methylene chloride	0.004 J	ND (0.001)
Tetrachloroethene	ND (0.009)	ND (0.001)
Trichloroethene	ND (0.009)	ND (0.001)
Vinyl chloride	ND (0.009)	ND (0.001)
SVOAs		
Benzo(a)anthracene	3	ND (0.01)
Benzo(a)pyrene	2.2 J	ND (0.01)
Benzo(b)fluoranthene	3.5	ND (0.01)
bis(2-Ethylhexyl)phthalate	1.8 J	ND (0.01)
Dibenz(a,h)anthracene	0.44 J	ND (0.01)
PCBs		
Total PCBs	2.1 J	ND (0.0002)

BS-5	4/9/02 Storm Sewer Water on-site
VOAs	
1,1-Dichloroethene	ND (0.001)
Benzene	ND (0.001)
cis-1,2-Dichloroethene	0.001
Methylene chloride	ND (0.001)
Tetrachloroethene	ND (0.001)
Trichloroethene	0.0004 J
Vinyl chloride	ND (0.001)
SVOAs	
Benzo(a)anthracene	ND (0.01)
Benzo(a)pyrene	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)
PCBs	
Total PCBs	0.0004 J

BS-9	4/11/02 Sediment on-site	4/11/02 Storm Sewer Water on-site	10/15/04 Sediment on-site	10/15/04 Storm Sewer Water on-site
VOAs				
1,1-Dichloroethene	ND (0.012)	ND (0.001)	ND (0.009)	ND (0.001)
Benzene	ND (0.012)	ND (0.001)	ND (0.009)	ND (0.001)
cis-1,2-Dichloroethene	0.023	0.009	0.011	0.0003 J
Methylene chloride	ND (0.012)	ND (0.001)	0.002 J	ND (0.001)
Tetrachloroethene	0.22	0.029	0.006 J	0.001 J
Trichloroethene	0.014	0.002	0.01	0.0003 J
Vinyl chloride	ND (0.012)	ND (0.001)	ND (0.009)	ND (0.001)
SVOAs				
Benzo(a)anthracene	0.32 J	ND (0.01)	ND (2.3)	ND (0.01) UJ
Benzo(a)pyrene	ND (0.7)	ND (0.01)	ND (2.3)	ND (0.01) UJ
Benzo(b)fluoranthene	ND (0.7)	ND (0.01)	0.11 J	ND (0.01) UJ
bis(2-Ethylhexyl)phthalate	7 J	ND (0.01)	1.4 J	ND (0.01) UJ
Dibenz(a,h)anthracene	ND (0.7)	ND (0.01)	ND (2.3)	ND (0.01) UJ
PCBs				
Total PCBs	2.86 J	ND (0.0002)	3 J	ND (0.0002)

MH-72-INT-10	4/11/02 Sediment on-site	4/11/02 Storm Sewer Water on-site	10/15/04 Sediment on-site
VOAs			
1,1-Dichloroethene	ND (0.006)	ND (0.001)	ND (0.006)
Benzene	ND (0.006)	ND (0.001)	ND (0.006)
cis-1,2-Dichloroethene	ND (0.003)	ND (0.001)	ND (0.006)
Methylene chloride	ND (0.006)	ND (0.001)	0.002 J
Tetrachloroethene	ND (0.006)	ND (0.001)	ND (0.006)
Trichloroethene	ND (0.006)	ND (0.001)	0.001 J
Vinyl chloride	ND (0.006)	ND (0.001)	ND (0.006)
SVOAs			
Benzo(a)anthracene	3	ND (0.01)	5 J
Benzo(a)pyrene	4	ND (0.01)	5.3
Benzo(b)fluoranthene	5.3	ND (0.01)	8.5
bis(2-Ethylhexyl)phthalate	ND (1.7)	ND (0.01)	4.3 J
Dibenz(a,h)anthracene	0.66 J	ND (0.01)	1 J
PCBs			
Total PCBs	0.18 J	ND (0.0002)	0.325 J

BS-8	4/11/02 Sediment on-site	4/11/02 Storm Sewer Water on-site	10/15/04 Sediment on-site	10/15/04 Storm Sewer Water on-site
VOAs				
1,1-Dichloroethene	ND (0.012)/ND (0.01)	ND (0.001)	ND (0.011)	ND (0.001)
Benzene	ND (0.012)/ND (0.01)	ND (0.001)	ND (0.011)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.006)/ND (0.005)	ND (0.001)	0.048	0.006
Methylene chloride	ND (0.012)/ND (0.01)	ND (0.001)	ND (0.011)	ND (0.001)
Tetrachloroethene	ND (0.012)/ND (0.01)	ND (0.001)	0.051	0.006
Trichloroethene	ND (0.012)/ND (0.01)	ND (0.001)	0.012	0.001 J
Vinyl chloride	ND (0.012)/ND (0.01)	ND (0.001)	ND (0.011)	ND (0.001)
SVOAs				
Benzo(a)anthracene	0.58 J/0.99 J	ND (0.01)	0.63 J	ND (0.01)
Benzo(a)pyrene	0.8 J/1.2 J	ND (0.01)	ND (7.3)	ND (0.01)
Benzo(b)fluoranthene	1.3 J/1.5	ND (0.01)	ND (7.3)	ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (2.7)/ND (1.5)	ND (0.01)	23	ND (0.01)
Dibenz(a,h)anthracene	ND (1.4)/ND (1.3)	ND (0.01)	ND (7.3)	ND (0.01)
PCBs				
Total PCBs	0.79 J/4.44 J	0.001 J	7.98 J	ND (0.0002)

LEGEND
- BUILDING WALL
- BUILDING BOUNDARY
- FORMER BUILDING WALL
- SHORELINE
- RAILROAD
- SOIL PRESENTATION AREA BOUNDARY
- ■ SOIL BORING LOCATION
- ● MONITORING WELL LOCATION
- WIPE/CONCRETE CORE SAMPLE LOCATION
- ⊕ OZONE SPARGE WELL LOCATION
- X O INJECTION BORING FOR HRC BARRIER
- BS-8 O BASEMENT SUMP LOCATION
- MH O PROCESS SEWER MANHOLE LOCATION
- MH O STORM SEWER MANHOLE LOCATION
- INT-1 ■ STORM SEWER INTERCEPTOR LOCATION
- PR PROCESS SEWER LINE
- STM STORM SEWER LINE

AOI 1 - SOLVENT RELEASE AREA
AOI 2 - STILL ROOM
AOI 3 - WASTE TANKS
AOI 4 - HAZARDOUS WASTE STAGING AND STORING AREAS
AOI 5 - ELECTROPLATING
AOI 6 - SPILL INTERCEPTORS
AOI 7 - SOLVENT STORAGE TANK
AOI 8 - DEGREASING UNITS:
- ● STODDARD SOLVENT
- ■ TCE/PCE/TCA SOLVENT
- ▲ FREON SOLVENT
- ** ON UPPER FLOOR

AOI 9 - SATELLITE CLEANING AREA (VARIOUS LOCATIONS THROUGHOUT SITE)
AOI 10 - PAINT WASTE ACCUMULATION AREAS
AOI 11 - CHIP HANDLING AREAS
AOI 12 - CUTTING OIL UST'S
AOI 13 - OIL HOUSE
AOI 14 - HYDRAULIC OIL AND COOLANT UST'S
AOI 15 - HYDRAULIC OIL UST
AOI 16 - FUEL UST'S
AOI 17 - REFRIGERANT UST'S
AOI 18 - STORM SEWERS (VARIOUS LOCATIONS THROUGHOUT SITE)
AOI 19 - PROCESS SEWERS (VARIOUS LOCATIONS THROUGHOUT SITE)
AOI 20 - PCB RELEASES FROM ELECTRICAL EQUIPMENT
AOI 21 - HYDROMATION PIT
AOI 22 - INCINERATOR
AOI 23 - UST'S AND FORMER STILL
AOI 24 - FORMER MACHINE GUN TESTING AREA
AOI 25 - HYDROCHLORIC ACID SPILLS
AOI 26 - PCB RELEASES FORM PROCESS EQUIPMENT:
- * PROCESS DUCT
- △ No.2 VAILL MACHINE
- □ TOOL GRIND ROOM
- ○ GEAR BOX

AOI 27 - BATTERY CHARGING STATION (A SECOND STATION MAY HAVE BEEN LOCATED IN BLDG. 5)
AOI 28 - FORMER MIAMI CANAL EXTENSION
AOI 29 - BUILDING 12 STILL
AOI 30 - EXPERIMENTAL AIR CONDITIONING
AOI 31 - BUILDING 1 SPRAY BOOTHS
AOI 32 - BUILDING 3 TRANSFORMER (GROUND LEVEL)
AOI 33 - PAINT AND ENAMEL STORAGE
AOI 34 - PARTS GRINDING
AOI 35 - STORAGE TANKS

BS-4	4/12/2002 Storm Sewer Water on-site
VOAs	
1,1-Dichloroethene	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.002)
1,2-Dibromoethane (Ethylene Dibromide)	ND (0.001)
Benzene	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.001)
Carbon tetrachloride	ND (0.001)
Chloroform (Trichloromethane)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.001)
Isopropylbenzene	ND (0.001)
Methylene chloride	ND (0.001)
Tetrachloroethene	0.003
Trichloroethene	0.001 J
Vinyl chloride	ND (0.001)

SAMPLE LOCATION
SAMPLE DATE
SAMPLE MATRIX
ON-SITE/OFF-SITE INDICATOR
CONCENTRATION (mg/kg - SEDIMENT, mg/L - W
PARAMETER
0.006 J (H) EXCEEDS CRITERIA

STORM SEWER SEDIMENT

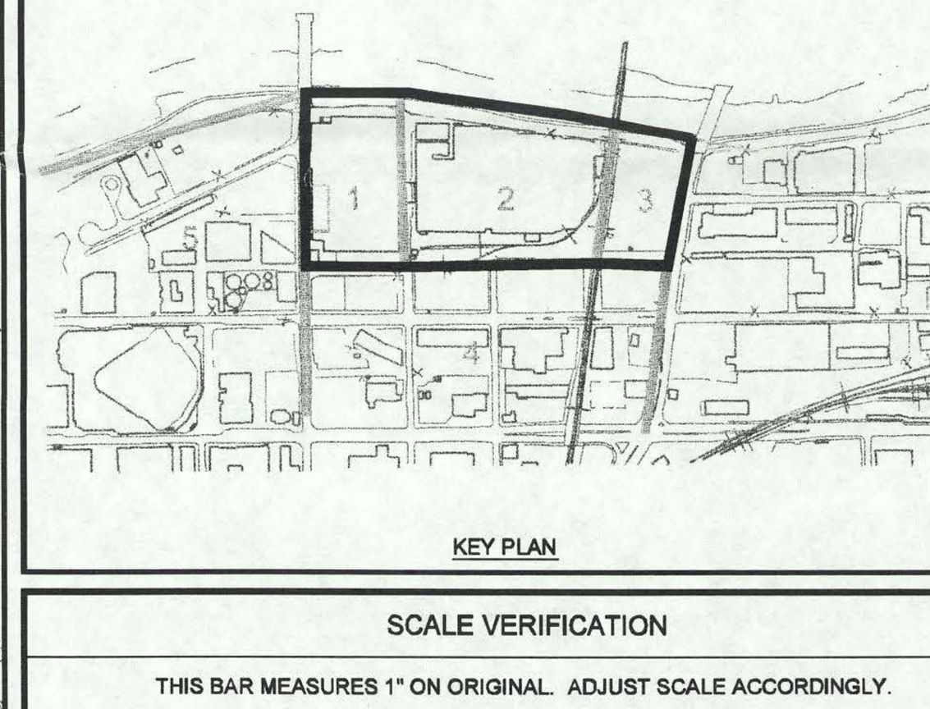
Chemical Name	D	E	F
VOCs			
1,1-Dichloroethene	4.13E+02	1.20E+02	2.40E+01
Benzene	1.41E+01	3.46E+00	1.15E+01
cis-1,2-Dichloroethene	1.46E+02	3.63E+01	7.25E+01
Methylene chloride	2.05E+02	5.25E+01	2.63E+02
Tetrachloroethene	1.31E+01	8.51E+00	4.26E+01
Trichloroethene	6.12E+01	1.88E+01	9.40E+01
Vinyl chloride	7.46E+00	1.49E+00	7.49E+00
SVOCs			
Benzo(a)anthracene	2.11E+01	2.81E+01	3.21E+02
Benzo(a)pyrene	2.11E+00	2.66E+00	3.35E+01
Benzo(b)fluoranthene	2.11E+01	2.72E+01	3.00E+02
bis(2-Ethylhexyl)phthalate	1.23E+03	1.76E+03	7.66E+03
Dibenz(a,h)anthracene	2.11E+00	2.88E+00	3.42E+01
PCBs			
Total PCBs	7.44E+00	7.28E+00	1.75E+01
Metals			
Arsenic	1.59E+01	2.73E+01	2.08E+02
Cadmium	4.51E+02	1.33E+03	4.44E+02
Lead	8.00E+02	7.49E+02	-
Manganese	1.95E+04	6.84E+04	1.43E+03
Mercury	1.36E+01	2.98E+01	8.01E+00

STORM SEWER WATER

Chemical Name	A	B (On Site)	B (Off Site)	C
VOCs				
1,1-Dichloroethene	7.00E-03	2.44E+02	2.42E+02	1.25E+02
Benzene	5.00E-03	6.41E+00	6.19E+00	4.88E+00
cis-1,2-Dichloroethene	7.00E-02	6.38E+01	8.09E+01	2.29E+01
Methylene chloride	5.00E-03	1.27E+02	1.18E+02	8.94E+01
Tetrachloroethene	5.00E-03	1.49E+01	1.47E+01	1.41E+01
Trichloroethene	5.00E-03	2.73E+01	2.67E+01	2.68E+01
Vinyl chloride	2.00E-03	3.29E+00	3.25E+00	2.02E+00
SVOCs				
Benzo(a)anthracene	1.17E-03	1.43E+02	1.10E+02	6.17E-02
Benzo(a)pyrene	2.00E-04	4.20E+01	3.24E+01	4.35E-03
Benzo(b)fluoranthene	1.17E-03	7.70E+00	6.72E+00	3.71E-02
bis(2-Ethylhexyl)phthalate	6.00E-03	1.00E+05	7.69E+04	1.82E+00
Dibenz(a,h)anthracene	1.17E-04	2.81E+03	2.08E+03	2.78E-03
PCBs				
Total PCBs	5.00E-04	2.52E-01	2.43E-01	9.35E-03
Metals				
Arsenic	1.00E-02	-	-	1.44E+01
Cadmium	5.00E-03	-	-	1.80E+01
Lead	1.50E-02	-	-	7.40E+01
Manganese	5.11E+00	-	-	5.98E+03
Mercury	2.00E-03	8.33E-01	8.19E-01	2.88E-01

A Drinking Water (DW)
B Onsite / Offsite Routine Worker (RW) Risk-Based GW Volatilization to Indoor Air
C Risk-Based Routine Construction Worker (Const) GW Contact Criteria
D R9 Industrial (Ind) PRG E-5
E Routine Worker (RW) Risk-Based Soil Volatilization to Indoor Air
F Risk-Based Redevelopment Worker (RDVLP) Soil Contact Criteria

DRAFT



KEY PLAN

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

NOTES:
1. TOTAL PCBs WERE SUMMED BY ADDING THE POSITIVE DETECTIONS PLUS HALF THE QUANTITATION LIMITS FOR NON-DETECT RESULTS OF AROCLORS DETECTED ELSEWHERE AT THE SITE. IF QUANTITATION LIMITS ARE NOT AVAILABLE, HALF THE REPORTING LIMITS ARE USED FOR NON-DETECTED VALUES.
2. SCREENING CRITERIA AND SAMPLE RESULTS ARE COMPARED TO TWO SIGNIFICANT DIGITS. RESULTS EQUAL TO SCREENING CRITERIA ARE NOT HIGHLIGHTED AS EXCEEDANCES.
3. PARAMETERS THAT DO NOT APPEAR IN THE DATABOX FOR A PARTICULAR SAMPLE WERE NOT ANALYZED.
4. EXCEEDANCES FOR EACH CONSTITUENT ARE BASED ON THE RATIOS OF SITE-RELATED CONCENTRATIONS TO SCREENING CRITERIA GREATER THAN 1.0. SITE-RELATED INORGANIC CONCENTRATIONS ARE THOSE IN EXCESS OF BACKGROUND LEVELS.

FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY

Dayton, Ohio

STORMWATER, SEDIMENT, AND OIL ANALYTICAL DATA - ORGANICS - SITE W

CONESTOGA-ROVERS & ASSOCIA

Source Reference:			
Project Manager: IKR	Reviewed By: SE	Date: DECEMBER 2005	
Scale: 1"=80'	Project Nº: 12638-04	Report Nº: MEMO038	Draw

12638-04(MEMO038)GN-WA012 JA

MH-2	10/10/05 Sediment on-site
VOAs	
1,1-Dichloroethene	ND (0.008)
Benzene	ND (0.008)
cis-1,2-Dichloroethene	ND (0.008)
Methylene chloride	0.004
Tetrachloroethene	ND (0.008)
Trichloroethene	0.001
Vinyl chloride	ND (0.008)
SVOAs	
Benzo(a)anthracene	7.7
Benzo(a)pyrene	6.5
Benzo(b)fluoranthene	7.6
bis(2-Ethylhexyl)phthalate	2.1
Dibenz(a,h)anthracene	0.84
PCBs	
Total PCBs	0.559 J

MH-3	10/10/05 Sediment on-site
VOAs	
1,1-Dichloroethene	ND (0.006)
Benzene	ND (0.006)
cis-1,2-Dichloroethene	ND (0.006)
Methylene chloride	ND (0.006)
Tetrachloroethene	ND (0.006)
Trichloroethene	ND (0.006)
Vinyl chloride	ND (0.006)
SVOAs	
Benzo(a)anthracene	1.6
Benzo(a)pyrene	1.6
Benzo(b)fluoranthene	2
bis(2-Ethylhexyl)phthalate	0.9
Dibenz(a,h)anthracene	0.25
PCBs	
Total PCBs	0.459 J

MH-5	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site
VOAs		
1,1-Dichloroethene	ND (0.012)	ND (0.001)
Benzene	ND (0.012)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.012)	ND (0.001)
Methylene chloride	ND (0.012)	ND (0.001)
Tetrachloroethene	0.052	ND (0.001)
Trichloroethene	0.003 J	ND (0.001)
Vinyl chloride	ND (0.012)	ND (0.001)
SVOAs		
Benzo(a)anthracene	33 J	ND (0.01)
Benzo(a)pyrene	27 J	ND (0.01)
Benzo(b)fluoranthene	38 J	ND (0.01)
bis(2-Ethylhexyl)phthalate	9.6 J	ND (0.01)
Dibenz(a,h)anthracene	3 J	ND (0.01)
PCBs		
Total PCBs	13.5 J	ND (0.0002)

MH-6	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site
VOAs		
1,1-Dichloroethene	ND (0.006)	ND (0.001)
Benzene	ND (0.006)	ND (0.001)
cis-1,2-Dichloroethene	0.001 J	ND (0.001)
Methylene chloride	ND (0.006)	ND (0.001)
Tetrachloroethene	ND (0.006)	ND (0.001)
Trichloroethene	0.001 J	ND (0.001)
Vinyl chloride	ND (0.006)	ND (0.001)
SVOAs		
Benzo(a)anthracene	7 J	ND (0.01)
Benzo(a)pyrene	6.8 J	ND (0.01)
Benzo(b)fluoranthene	9 J	ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (10)	ND (0.01)
Dibenz(a,h)anthracene	1.2 J	ND (0.01)
PCBs		
Total PCBs	0.204 J	ND (0.0002)

BS-1	4/9/02 Storm Sewer Water on-site	10/13/04 Storm Sewer Water on-site
VOAs		
1,1-Dichloroethene	ND (0.002)/ND (0.002)	ND (0.002)
Benzene	ND (0.002)/ND (0.002)	ND (0.002)
cis-1,2-Dichloroethene	0.002/0.002	0.003
Methylene chloride	ND (0.002)/ND (0.002)	ND (0.002)
Tetrachloroethene	0.059/0.058	0.069
Trichloroethene	0.016/0.016	0.026
Vinyl chloride	ND (0.002)/ND (0.002)	ND (0.002)
SVOAs		
Benzo(a)anthracene	ND (0.01)/ND (0.01)	ND (0.01)
Benzo(a)pyrene	ND (0.01)/ND (0.01)	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)/ND (0.01)	ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (0.01)/ND (0.01)	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)/ND (0.01)	ND (0.01)
PCBs		
Total PCBs	0.001 J/0.0004 J	ND (0.0002)

MH-7	4/4/02 Sediment on-site	4/4/02 Storm Sewer Water on-site	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site	10/13/04 Storm Sewer Water on-site
VOAs					
1,1-Dichloroethene	ND (0.29)	ND (0.001)	ND (0.006)	-	ND (0.001)
Benzene	ND (0.29)	ND (0.001)	ND (0.006)	-	ND (0.001)
cis-1,2-Dichloroethene	ND (0.14)	ND (0.001)	ND (0.006)	-	ND (0.001)
Methylene chloride	ND (0.29)	ND (0.001)	ND (0.006)	-	ND (0.001)
Tetrachloroethene	0.43	0.001 J	ND (0.006)	-	ND (0.001)
Trichloroethene	ND (0.29)	ND (0.001)	ND (0.006)	-	ND (0.001)
Vinyl chloride	ND (0.29)	ND (0.001)	ND (0.006)	-	ND (0.001)
SVOAs					
Benzo(a)anthracene	0.15 J	ND (0.01)	0.7 J	-	ND (0.01)
Benzo(a)pyrene	0.19 J	ND (0.01)	0.79 J	-	ND (0.01)
Benzo(b)fluoranthene	0.24 J	ND (0.01)	1.3 J	-	ND (0.01)
bis(2-Ethylhexyl)phthalate	0.19 J	0.007 J	1.3 J	-	ND (0.01)
Dibenz(a,h)anthracene	ND (0.4)	ND (0.01)	ND (3.9)	-	ND (0.01)
PCBs					
Total PCBs	0.198 J	0.0004 J	0.283 J	R	-

MH-15	10/13/04 Sediment on-site
VOAs	
1,1-Dichloroethene	ND (0.007)
Benzene	ND (0.007)
cis-1,2-Dichloroethene	ND (0.007)
Methylene chloride	0.007
Tetrachloroethene	0.002 J
Trichloroethene	ND (0.007)
Vinyl chloride	ND (0.007)
SVOAs	
Benzo(a)anthracene	4.2 J
Benzo(a)pyrene	3.8 J
Benzo(b)fluoranthene	7.6 J
bis(2-Ethylhexyl)phthalate	220
Dibenz(a,h)anthracene	ND (52)
PCBs	
Total PCBs	20.8 J

MH-11	4/5/02 Sediment on-site	4/5/02 Storm Sewer Water on-site	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site	10/15/04 Storm Sewer Water on-site
VOAs					
1,1-Dichloroethene	ND (0.007)	ND (0.001)	ND (0.028)	ND (0.001)	ND (0.001)
Benzene	ND (0.007)	ND (0.001)	ND (0.028)	ND (0.001)	ND (0.001)
cis-1,2-Dichloroethene	0.003 J	0.027	0.23	0.003	0.003
Methylene chloride	ND (0.007)	ND (0.001)	ND (0.028)	ND (0.001)	0.0004 J
Tetrachloroethene	0.02	0.011	0.55	0.001 J	0.0003 J
Trichloroethene	0.003 J	0.005	0.13	0.001 J	0.001 J
Vinyl chloride	ND (0.007)	0.001 J	ND (0.028)	ND (0.001)	ND (0.001)
SVOAs					
Benzo(a)anthracene	-	ND (0.01)	ND (19)	ND (0.04)	ND (0.01)
Benzo(a)pyrene	-	ND (0.01)	ND (19)	ND (0.04)	ND (0.01)
Benzo(b)fluoranthene	-	ND (0.01)	ND (19)	ND (0.04)	ND (0.01)
bis(2-Ethylhexyl)phthalate	-	ND (0.01)	7.5 J	ND (0.04)	ND (0.01)
Dibenz(a,h)anthracene	-	ND (0.01)	ND (19)	ND (0.04)	ND (0.01)
PCBs					
Total PCBs	-	0.0004 J	1.33 J	ND (0.0002)	ND (0.0002)

MH-4	10/10/05 Sediment on-site
VOAs	
1,1-Dichloroethene	ND (0.008)
Benzene	0.001
cis-1,2-Dichloroethene	0.006
Methylene chloride	0.005
Tetrachloroethene	0.008
Trichloroethene	0.004
Vinyl chloride	ND (0.008)
SVOAs	
Benzo(a)anthracene	7.9
Benzo(a)pyrene	6.9
Benzo(b)fluoranthene	7.6
bis(2-Ethylhexyl)phthalate	1400
Dibenz(a,h)anthracene	ND (100)
PCBs	
Total PCBs	0.491 J

MH-8	4/4/02 Sediment on-site	4/4/02 Storm Sewer Water on-site	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site
VOAs				
1,1-Dichloroethene	ND (0.007)	ND (0.001)	ND (0.006)	ND (0.001)
Benzene	ND (0.007)	ND (0.001)	ND (0.006)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.004)	ND (0.001)	ND (0.006)	ND (0.001)
Methylene chloride	ND (0.007)	ND (0.001)	ND (0.006)	ND (0.001)
Tetrachloroethene	0.036	0.003	0.008	ND (0.001)
Trichloroethene	ND (0.007)	ND (0.001)	ND (0.006)	ND (0.001)
Vinyl chloride	ND (0.007)	ND (0.001)	ND (0.006)	ND (0.001)
SVOAs				
Benzo(a)anthracene	1.3	ND (0.01)	1.6	ND (0.01)
Benzo(a)pyrene	1.2	ND (0.01)	1.6	ND (0.01)
Benzo(b)fluoranthene	1.7	ND (0.01)	3.1	ND (0.01)
bis(2-Ethylhexyl)phthalate	4.7	0.003 J	2.9	ND (0.01)
Dibenz(a,h)anthracene	0.15 J	ND (0.01)	0.25 J	ND (0.01)
PCBs				
Total PCBs	0.258 J	0.0003 J	0.947 J	0.0004 J

MH-75	4/12/02 Storm Sewer Water on-site
VOAs	
1,1-Dichloroethene	ND (0.001)
Benzene	ND (0.001)
cis-1,2-Dichloroethene	ND (0.001)
Methylene chloride	ND (0.001)
Tetrachloroethene	ND (0.001)
Trichloroethene	0.0002 J
Vinyl chloride	ND (0.001)
SVOAs	
Benzo(a)anthracene	ND (0.01)
Benzo(a)pyrene	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)
bis(2-Ethylhexyl)phthalate	0.004 J
Dibenz(a,h)anthracene	ND (0.01)
PCBs	
Total PCBs	0.0003 J

MH-13	10/24/05 Sediment on-site	10/24/05 Storm Sewer Water on-site
VOAs		
1,1-Dichloroethene	0.023	ND (0.001)/ND (0.001)
Benzene	ND (0.43)	ND (0.001)/ND (0.001)
cis-1,2-Dichloroethene	9.5	0.001/0.001
Methylene chloride	ND (0.43)	ND (0.005)/ND (0.005)
Tetrachloroethene	3.5	0.0003/0.0004
Trichloroethene	0.68	0.0004/0.0004
Vinyl chloride	2.9	ND (0.001)/ND (0.001)
SVOAs		
Benzo(a)anthracene	13	0.001/0.002
Benzo(a)pyrene	9	0.001/0.002
Benzo(b)fluoranthene	11	0.002/0.003
bis(2-Ethylhexyl)phthalate	20	0.002/0.004
Dibenz(a,h)anthracene	1.4	ND (0.01)/0.0004
PCBs		
Total PCBs	4.67 J	0.002 J/0.003 J

MH-14	4/5/02 Sediment on-site	4/5/02 Storm Sewer Water on-site	10/13/04 Storm Sewer Water on-site
VOAs			
1,1-Dichloroethene	ND (0.007)	ND (0.001)	ND (0.007)
Benzene	ND (0.007)	ND (0.001)	ND (0.007)
cis-1,2-Dichloroethene	0.7	0.042	0.19
Methylene chloride	ND (0.007)	ND (0.001)	ND (0.007)
Tetrachloroethene	1.7	0.012	0.059
Trichloroethene	0.33 J	0.007	0.032
Vinyl chloride	ND (0.007)	0.001 J	0.014
SVOAs			
Benzo(a)anthracene	0.63	ND (0.01)	ND (0.01)
Benzo(a)pyrene	0.9	ND (0.01)	ND (0.01)
Benzo(b)fluoranthene	0.98	ND (0.01)	ND (0.01)
bis(2-Ethylhexyl)phthalate	0.72	ND (0.01)	ND (0.01)
Dibenz(a,h)anthracene	0.17 J	ND (0.01)	ND (0.01)
PCBs			
Total PCBs	2.58 J	0.0004 J	ND (0.0002)

MH-1	10/10/05 Sediment on-site
VOAs	
1,1-Dichloroethene	ND (0.013)
Benzene	ND (0.013)
cis-1,2-Dichloroethene	ND (0.013)
Methylene chloride	0.007
Tetrachloroethene	ND (0.013)
Trichloroethene	ND (0.013)
Vinyl chloride	ND (0.013)
SVOAs	
Benzo(a)anthracene	18
Benzo(a)pyrene	16
Benzo(b)fluoranthene	20
bis(2-Ethylhexyl)phthalate	7.1
Dibenz(a,h)anthracene	2.3
PCBs	
Total PCBs	82.5 J

MH-9	4/5/02 Sediment on-site	4/5/02 Storm Sewer Water on-site	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site	10/15/04 Storm Sewer Water on-site
VOAs					
1,1-Dichloroethene	ND (0.48)	ND (0.001)	ND (0.008)	ND (0.001)	ND (0.001)
Benzene	ND (0.48)	ND (0.001)	ND (0.008)	ND (0.001)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.24)	ND (0.001)	0.007 J	ND (0.001)	0.001
Methylene chloride	ND (0.48)	ND (0.001)	0.006 J	ND (0.001)	ND (0.001)
Tetrachloroethene	3.7	0.001	0.13	0.0004 J	0.013
Trichloroethene	0.076 J	0.0002 J	0.012	ND (0.001)	0.003
Vinyl chloride	ND (0.48)	ND (0.001)	ND (0.008)	ND (0.001)	ND (0.001)
SVOAs					
Benzo(a)anthracene	0.86 J	ND (0.01)	ND (27)	ND (0.04)	ND (0.01) UJ
Benzo(a)pyrene	0.87 J	ND (0.01)	ND (27)	ND (0.04)	ND (0.01) UJ
Benzo(b)fluoranthene	1 J	ND (0.01)	2.1 J	ND (0.04)	ND (0.01) UJ
bis(2-Ethylhexyl)phthalate	0.38 J	ND (0.01)	12 J	ND (0.04)	ND (0.01) UJ
Dibenz(a,h)anthracene	ND (1.6)	ND (0.01)	ND (27)	ND (0.04)	ND (0.01) UJ
PCBs					
Total PCBs	1.19 J	0.0004 J	6.1 J	0.002 J	ND (0.0002)

BS-6	4/11/02 Storm Sewer Water on-site
VOAs	
1,1-Dichloroethene	ND (0.002)
Benzene	ND (0.002)
cis-1,2-Dichloroethene	ND (0.001)
Methylene chloride	ND (0.002)
Tetrachloroethene	ND (0.002)
Trichloroethene	ND (0.002)
Vinyl chloride	ND (0.002)
SVOAs	
Benzo(a)anthracene	ND (0.01)
Benzo(a)pyrene	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)
PCBs	
Total PCBs	ND (0.0002)

BS-7	4/11/02 Oil_1 on-site	4/11/02 Storm Sewer Water on-site	10/15/04 Sediment on-site	10/15/04 Storm Sewer Water on-site
VOAs				
1,1-Dichloroethene	ND (0.62)	ND (0.001)	ND (0.008)	ND (0.001)
Benzene	ND (0.62)	ND (0.001)	ND (0.008)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.31)	ND (0.001)	ND (0.008)	ND (0.001)
Methylene chloride	ND (0.62)	ND (0.001)	ND (0.008)	ND (0.001)
Tetrachloroethene	ND (0.62)	ND (0.001)	ND (0.008)	ND (0.001)
Trichloroethene	ND (0.62)	ND (0.001)	ND (0.008)	ND (0.001)
Vinyl chloride	ND (1.2)	ND (0.001)	ND (0.008)	ND (0.001)
SVOAs				
Benzo(a)anthracene	ND (200)	ND (1)	0.4 J	ND (0.01)
Benzo(a)pyrene	ND (200)	ND (1)	0.42 J	ND (0.01)
Benzo(b)fluoranthene	ND (200)	ND (1)	0.61 J	ND (0.01)
bis(2-Ethylhexyl)phthalate	58 J	ND (1)	1.5 J	ND (0.01)
Dibenz(a,h)anthracene	ND (200)	ND (1)	ND (2)	ND (0.01)
PCBs				
Total PCBs	1.9 J	ND (0.0002)	1.47 J	ND (0.0002)

BS-3	4/12/02 Storm Sewer Water on-site	10/13/04 Storm Sewer Water on-site
VOAs		
1,1-Dichloroethene	ND (0.001)	ND (0.001)
Benzene	ND (0.001)	ND (0.001)
cis-1,2-Dichloroethene	0.001	0.0003 J
Methylene chloride	ND (0.001)	ND (0.001)
Tetrachloroethene	0.002	0.001 J
Trichloroethene	0.001 J	0.003
Vinyl chloride	ND (0.001)	ND (0.001)
SVOAs		
Benzo(a)anthracene	ND (0.01)	ND (0.01)
Benzo(a)pyrene	ND (0.01)	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)	ND (0.01)
bis(2-Ethylhexyl)phthalate	0.007 J	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)	ND (0.01)
PCBs		
Total PCBs	ND (0.0002)	0.0005 J

MH-10	10/24/05 Sediment on-site	10/24/05 Storm Sewer Water on-site
VOAs		
1,1-Dichloroethene	ND (0.007)/ND (0.006)	ND (0.001)
Benzene	ND (0.007)/ND (0.006)	ND (0.001)
cis-1,2-Dichloroethene	0.001/0.001	0.0003
Methylene chloride	ND (0.007)/ND (0.006)	ND (0.005)
Tetrachloroethene	0.006/0.004	0.0004
Trichloroethene	0.001/0.001	ND (0.001)
Vinyl chloride	ND (0.007)/ND (0.006)	ND (0.001)
SVOAs		
Benzo(a)anthracene	1.2/0.19	0.001
Benzo(a)pyrene	0.79/0.12	0.001
Benzo(b)fluoranthene	1.2/0.21	0.001
bis(2-Ethylhexyl)phthalate	0.68/0.49	0.001
Dibenz(a,h)anthracene	0.11/ND (1.6)	ND (0.01)
PCBs		
Total PCBs	0.828 J/0.838 J	0.0003 J

BS-2	10/13/04 Storm Sewer Water on-site
VOAs	
1,1-Dichloroethene	ND (0.001)
Benzene	ND (0.001)
cis-1,2-Dichloroethene	0.007
Methylene chloride	ND (0.001)
Tetrachloroethene	0.006
Trichloroethene	0.002
Vinyl chloride	ND (0.001)
SVOAs	
Benzo(a)anthracene	ND (0.01)
Benzo(a)pyrene	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)
PCBs	
Total PCBs	ND (0.0002)

Mad River Webster St Culvert	11/11/04 Sediment off-site
VOAs	
Benzene	ND (0.007)
Tetrachloroethene	ND (0.007)
Trichloroethene	ND (0.007)
Vinyl chloride	ND (0.003)
SVOAs	
Benzo(a)anthracene	9.83
Benzo(a)pyrene	8.98
Benzo(b)fluoranthene	13.7
bis(2-Ethylhexyl)phthalate	ND (0.462)
Dibenz(a,h)anthracene	1.04

BS-5	4/9/02 Storm Sewer Water on-site
VOAs	
1,1-Dichloroethene	ND (0.001)
Benzene	ND (0.001)
cis-1,2-Dichloroethene	0.001
Methylene chloride	ND (0.001)
Tetrachloroethene	ND (0.001)
Trichloroethene	0.0004 J
Vinyl chloride	ND (0.001)
SVOAs	
Benzo(a)anthracene	ND (0.01)
Benzo(a)pyrene	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)
PCBs	
Total PCBs	0.0004 J

MH-37	10/13/04 Sediment on-site
VOAs	
1,1-Dichloroethene	ND (0.96)
Benzene	ND (0.96)
cis-1,2-Dichloroethene	ND (0.96)
Methylene chloride	ND (0.96)
Tetrachloroethene	6.1
Trichloroethene	2.8
Vinyl chloride	ND (0.96)
SVOAs	
Benzo(a)anthracene	ND (25)
Benzo(a)pyrene	ND (25)
Benzo(b)fluoranthene	ND (25)
bis(2-Ethylhexyl)phthalate	ND (25)
Dibenz(a,h)anthracene	ND (25)
PCBs	
Total PCBs	1940 J

BS-9	4/11/02 Sediment on-site	4/11/02 Storm Sewer Water on-site	10/15/04 Sediment on-site	10/15/04 Storm Sewer Water on-site
VOAs				
1,1-Dichloroethene	ND (0.012)	ND (0.001)	ND (0.009)	ND (0.001)
Benzene	ND (0.012)	ND (0.001)	ND (0.009)	ND (0.001)
cis-1,2-Dichloroethene	0.023	0.009	0.011	0.0003 J
Methylene chloride	ND (0.012)	ND (0.001)	0.002 J	ND (0.001)
Tetrachloroethene	0.22	0.029	0.008 J	0.001 J
Trichloroethene	0.014	0.002	0.01	0.0003 J
Vinyl chloride	ND (0.012)	ND (0.001)	ND (0.009)	ND (0.001)
SVOAs				
Benzo(a)anthracene	0.32 J	ND (0.01)	ND (2.3)	ND (0.01) UJ
Benzo(a)pyrene	ND (0.7)	ND (0.01)	ND (2.3)	ND (0.01) UJ
Benzo(b)fluoranthene	ND (0.7)	ND (0.01)	0.11 J	ND (0.01) UJ
bis(2-Ethylhexyl)phthalate	7 J	ND (0.01)	1.4 J	ND (0.01) UJ
Dibenz(a,h)anthracene	ND (0.7)	ND (0.01)	ND (2.3)	ND (0.01) UJ
PCBs				
Total PCBs	2.66 J	ND (0.0002)	3 J	ND (0.0002)

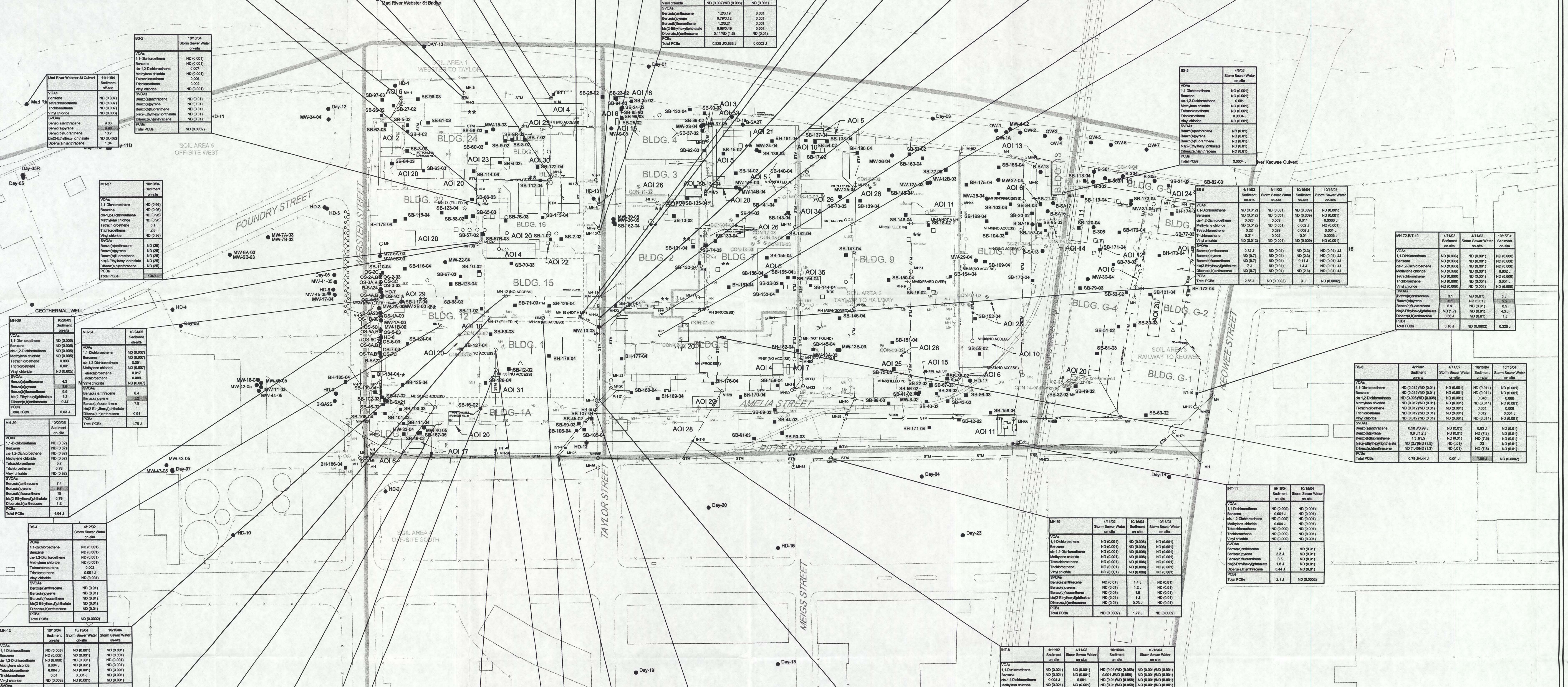
MH-72-INT-10	4/11/02 Sediment on-site	4/11/02 Storm Sewer Water on-site	10/15/04 Sediment on-site
VOAs			
1,1-Dichloroethene	ND (0.006)	ND (0.001)	ND (0.006)
Benzene	ND (0.006)	ND (0.001)	ND (0.006)
cis-1,2-Dichloroethene	ND (0.003)	ND (0.001)	ND (0.006)
Methylene chloride	ND (0.006)	ND (0.001)	0.002 J
Tetrachloroethene	ND (0.006)	ND (0.001)	ND (0.006)
Trichloroethene	ND (0.006)	ND (0.001)	0.001 J
Vinyl chloride	ND (0.006)	ND (0.001)	ND (0.006)
SVOAs			
Benzo(a)anthracene	3.1	ND (0.01)	5 J
Benzo(a)pyrene	4.5	ND (0.01)	5.3
Benzo(b)fluoranthene	5.9	ND (0.01)	8.5
bis(2-Ethylhexyl)phthalate	ND (1.7)	ND (0.01)	4.3 J
Dibenz(a,h)anthracene	0.66 J	ND (0.01)	1 J
PCBs			
Total PCBs	0.18 J	ND (0.0002)	0.325 J

MH-38	10/20/05 Sediment on-site
VOAs	
1,1-Dichloroethene	ND (0.005)
Benzene	ND (0.005)
cis-1,2-Dichloroethene	ND (0.005)
Methylene chloride	ND (0.005)
Tetrachloroethene	0.003
Trichloroethene	0.001
Vinyl chloride	ND (0.005)
SVOAs	
Benzo(a)anthracene	4.3
Benzo(a)pyrene	3.9
Benzo(b)fluoranthene	5.5
bis(2-Ethylhexyl)phthalate	1.3
Dibenz(a,h)anthracene	0.44
PCBs	
Total PCBs	5.03 J

MH-34	10/24/05 Sediment on-site
VOAs	
1,1-Dichloroethene	ND (0.007)
Benzene	ND (0.007)
cis-1,2-Dichloroethene	0.001
Methylene chloride	ND (0.007)
Tetrachloroethene	0.017
Trichloroethene	0.009
Vinyl chloride	ND (0.007)
SVOAs	
Benzo(a)anthracene	6.4
Benzo(a)pyrene	5.3
Benzo(b)fluoranthene	7.8
bis(2-Ethylhexyl)phthalate	1
Dibenz(a,h)anthracene	0.91
PCBs	
Total PCBs	1.78 J

MH-39	10/20/05 Sediment on-site
VOAs	
1,1-Dichloroethene	ND (0.32)
Benzene	ND (0.32)
cis-1,2-Dichloroethene	ND (0.32)
Methylene chloride	ND (0.32)
Tetrachloroethene	6.7
Trichloroethene	0.78
Vinyl chloride	ND (0.32)
SVOAs	
Benzo(a)anthracene	7.4
Benzo(a)pyrene	9.7
Benzo(b)fluoranthene	15
bis(2-Ethylhexyl)phthalate	0.76
Dibenz(a,h)anthracene	1.2
PCBs	
Total PCBs	4.64 J

BS-4	4/12/02 Storm Sewer Water on-site
VOAs	
1,1-Dichloroethene	ND (0.001)
Benzene	ND (0.001)
cis-1,2-Dichloroethene	ND (0.001)
Methylene chloride	ND (0.001)
Tetrachloroethene	0.003
Trichloroethene	0.001 J
Vinyl chloride	ND (0.001)
SVOAs	
Benzo(a)anthracene	ND (0.01)
Benzo(a)pyrene	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)
PCBs	
Total PCBs	ND (0.0002)



MH-69	4/11/02 Storm Sewer Water on-site	10/15/04 Sediment on-site	10/15/04 Storm Sewer Water on-site
VOAs			
1,1-Dichloroethene	ND (0.001)	ND (0.006)	ND (0.001)
Benzene	ND (0.001)	ND (0.006)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.001)	ND (0.006)	ND (0.001)
Methylene chloride	ND (0.001)	ND (0.006)	ND (0.001)
Tetrachloroethene	ND (0.001)	ND (0.006)	ND (0.001)
Trichloroethene	ND (0.001)	ND (0.006)	ND (0.001)
Vinyl chloride	ND (0.001)	ND (0.006)	ND (0.001)
SVOAs			
Benzo(a)anthracene	ND (0.01)	1.4 J	ND (0.01)
Benzo(a)pyrene	ND (0.01)	1.2 J	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)	1.8	ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (0.01)	1 J	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)	0.23 J	ND (0.01)
PCBs			
Total PCBs	ND (0.0002)	1.77 J	ND (0.0002)

INT-11	10/15/04 Sediment on-site	10/15/04 Storm Sewer Water on-site
VOAs		
1,1-Dichloroethene	ND (0.009)	ND (0.001)
Benzene	0.001 J	ND (0.001)
cis-1,2-Dichloroethene	ND (0.009)	ND (0.001)
Methylene chloride	0.004 J	ND (0.001)
Tetrachloroethene	ND (0.009)	ND (0.001)
Trichloroethene	ND (0.009)	ND (0.001)
Vinyl chloride	ND (0.009)	ND (0.001)
SVOAs		
Benzo(a)anthracene	3	ND (0.01)
Benzo(a)pyrene	2.2 J	ND (0.01)
Benzo(b)fluoranthene	3.5	ND (0.01)
bis(2-Ethylhexyl)phthalate	1.8 J	ND (0.01)
Dibenz(a,h)anthracene	0.44 J	ND (0.01)
PCBs		
Total PCBs	2.1 J	ND (0.0002)

BS-8	4/11/02 Sediment on-site	4/11/02 Storm Sewer Water on-site	10/15/04 Sediment on-site	10/15/04 Storm Sewer Water on-site
VOAs				
1,1-Dichloroethene	ND (0.012)/ND (0.01)	ND (0.001)	ND (0.011)	ND (0.001)
Benzene	ND (0.012)/ND (0.01)	ND (0.001)	ND (0.011)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.006)/ND (0.005)	ND (0.001)	0.048	0.006
Methylene chloride	ND (0.012)/ND (0.01)	ND (0.001)	ND (0.011)	ND (0.001)
Tetrachloroethene	ND (0.012)/ND (0.01)	ND (0.001)	0.051	0.006
Trichloroethene	ND (0.012)/ND (0.01)	ND (0.001)	0.012	0.001 J
Vinyl chloride	ND (0.012)/ND (0.01)	ND (0.001)	ND (0.011)	ND (0.001)
SVOAs				
Benzo(a)anthracene	0.58 J/0.99 J	ND (0.01)	0.83 J	ND (0.01)
Benzo(a)pyrene	0.8 J/1.2 J	ND (0.01)	ND (7.3)	ND (0.01)
Benzo(b)fluoranthene	1.3 J/1.5	ND (0.01)	ND (7.3)	ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (2.7)/ND (1.5)	ND (0.01)	23	ND (0.01)
Dibenz(a,h)anthracene	ND (1.4)/ND (1.3)	ND (0.01)	ND (7.3)	ND (0.01)
PCBs				
Total PCBs	0.79 J/4.44 J	0.01 J	7.96 J	ND (0.0002)

INT-8	4/11/02 Sediment on-site	4/11/02 Storm Sewer Water on-site	10/15/04 Sediment on-site	10/15/04 Storm Sewer Water on-site
VOAs				
1,1-Dichloroethene	ND (0.021)	ND (0.001)	ND (0.01)/ND (0.058)	ND (0.001)/ND (0.001)
Benzene	ND (0.021)	ND (0.001)	0.001 J/ND (0.058)	ND (0.001)/ND (0.001)
cis-1,2-Dichloroethene	0.004 J	0.001	ND (0.01)/ND (0.058)	ND (0.001)/ND (0.001)
Methylene chloride	ND (0.021)	ND (0.001)	ND (0.01)/ND (0.058)	ND (0.001)/ND (0.001)
Tetrachloroethene	0.012 J	ND (0.001)	ND (0.01)/ND (0.058)	0.0002 J/0.0003 J
Trichloroethene	ND (0.021)	ND (0.001)	ND (0.01)/ND (0.058)	ND (0.001)/0.0003 J
Vinyl chloride	ND (0.021)	ND (0.001)	ND (0.01)/ND (0.058)	ND (0.001)/ND (0.001)
SVOAs				
Benzo(a)anthracene	0.47 J	ND (0.01)	9.6/19	ND (0.01)/ND (0.01)
Benzo(a)pyrene	0.71 J	ND (0.01)	8.7 J/14 J	ND (0.01)/ND (0.01)
Benzo(b)fluoranthene	1.1 J	ND (0.01)	10/19	ND (0.01)/ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (2.1)	ND (0.01)	29/27	ND (0.01)/ND (0.01)
Dibenz(a,h)anthracene	ND (2.1)	ND (0.01)	1.5 J/2.5 J	ND (0.01)/ND (0.01)
PCBs				
Total PCBs	1.55 J	ND (0.0002)	22.7 J/64.3 J	0.001 J/ND (0.0002)

MH-12	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site	10/15/04 Storm Sewer Water on-site
VOAs			
1,1-Dichloroethene	ND (0.008)	ND (0.001)	ND (0.001)
Benzene	ND (0.008)	ND (0.001)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.008)	ND (0.001)	ND (0.001)
Methylene chloride	0.004 J	ND (0.001)	ND (0.001)
Tetrachloroethene	0.004 J	ND (0.001)	ND (0.001)
Trichloroethene	0.01	0.001 J	ND (0.001)
Vinyl chloride	ND (0.008)	ND (0.001)	ND (0.001)
SVOAs			
Benzo(a)anthracene	8.3	-	ND (0.01)
Benzo(a)pyrene	9	-	ND (0.01)
Benzo(b)fluoranthene	13	-	ND (0.01)
bis(2-Ethylhexyl)phthalate	3.1 J	-	ND (0.01)
Dibenz(a,h)anthracene	1.5 J	-	ND (0.01)
PCBs			
Total PCBs	55.8 J	0.309 J	ND (0.0002)

MH-17	6/27/05 Sediment on-site	10/20/05 Sediment on-site
VOAs		
1,1-Dichloroethene	ND (0.006)	ND (0.005)
Benzene	ND (0.006)	ND (0.005)
cis-1,2-Dichloroethene	ND (0.006)	ND (0.005)
Methylene chloride	ND (0.006)	ND (0.005)
Tetrachloroethene	ND (0.006)	0.002
Trichloroethene	0.0005 J	0.015
Vinyl chloride	ND (0.006)	ND (0.005)
SVOAs		
Benzo(a)anthracene	0.85 J	3.1
Benzo(a)pyrene	0.92	3
Benzo(b)fluoranthene	1.6	4.6
bis(2-Ethylhexyl)phthalate	0.53 J	2.1
Dibenz(a,h)anthracene	0.15 J	0.24
PCBs		
Total PCBs	1.98 J	7.04 J

MH-28	10/20/05 Sediment on-site
VOAs	
1,1-Dichloroethene	ND (0.006)
Benzene	ND (0.006)
cis-1,2-Dichloroethene	ND (0.006)
Methylene chloride	ND (0.006)
Tetrachloroethene	0.002
Trichloroethene	0.001
Vinyl chloride	ND (0.006)
SVOAs	
Benzo(a)anthracene	13
Benzo(a)pyrene	13
Benzo(b)fluoranthene	19
bis(2-Ethylhexyl)phthalate	1.8
Dibenz(a,h)anthracene	1.8
PCBs	
Total PCBs	0.773 J

MH-27	10/20/05 Sediment on-site
VOAs	
1,1-Dichloroethene	ND (0.005)
Benzene	ND (0.005)
cis-1,2-Dichloroethene	ND (0.005)
Methylene chloride	ND (0.005)
Tetrachloroethene	0.001
Trichloroethene	0.001
Vinyl chloride	ND (0.005)
SVOAs	
Benzo(a)anthracene	8.1
Benzo(a)pyrene	7.9
Benzo(b)fluoranthene	12
bis(2-Ethylhexyl)phthalate	0.66
Dibenz(a,h)anthracene	1
PCBs	
Total PCBs	0.224 J

MH-36	6/27/05 Sediment on-site	10/20/05 Sediment on-site
VOAs		
1,1-Dichloroethene	ND (0.006) UJ	ND (0.004)
Benzene	ND (0.006) UJ	0.0003
cis-1,2-Dichloroethene	0.001 J	0.001
Methylene chloride	ND (0.011) UJ	0.002
Tetrachloroethene	0.02 J	0.008
Trichloroethene	0.01 J	0.007
Vinyl chloride	ND (0.006) UJ	ND (0.004)
SVOAs		
Benzo(a)anthracene	0.45 J	4
Benzo(a)pyrene	0.42 J	4.7
Benzo(b)fluoranthene	0.58 J	6.8
bis(2-Ethylhexyl)phthalate	0.17 J	33
Dibenz(a,h)anthracene	0.076 J	ND (54)
PCBs		
Total PCBs	1.03 J	0.961 J

MH-19	4/8/02 Sediment on-site	4/8/02 Storm Sewer Water on-site	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site
VOAs				
1,1-Dichloroethene	ND (0.32)	ND (0.001)	ND (0.008)	ND (0.001)
Benzene	ND (0.32)	ND (0.001)	ND (0.008)	ND (0.001)
cis-1,2-Dichloroethene	0.24	ND (0.001)	ND (0.008)	0.0005 J
Methylene chloride	0.11 J	ND (0.001)	ND (0.008)	ND (0.001)
Tetrachloroethene	2.6	0.0003 J	0.01	0.0002 J
Trichloroethene	0.39	ND (0.001)	0.001 J	ND (0.001)
Vinyl chloride	ND (0.32)	ND (0.001)	ND (0.008)	ND (0.001)
SVOAs				
Benzo(a)anthracene	0.29 J	ND (0.01)	0.18 J	ND (0.01)
Benzo(a)pyrene	0.38 J	ND (0.01)	0.28 J	ND (0.01)
Benzo(b)fluoranthene	0.56 J	ND (0.01)	0.48 J	ND (0.01)
bis(2-Ethylhexyl)phthalate	7.8	ND (0.01)	3.8	ND (0.01)
Dibenz(a,h)anthracene	ND (0.95)	ND (0.01)	ND (1.8)	ND (0.01)
PCBs				
Total PCBs	5.27 J	0.0002 J	12.3 J	0.001 J

MH-18	4/5/02 Sediment on-site	4/5/02 Storm Sewer Water on-site	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site
VOAs				
1,1-Dichloroethene	ND (0.67)	ND (0.001)	ND (0.006)/ND (0.006)	ND (0.007)/ND (0.008)
Benzene	ND (0.67)	ND (0.001)	ND (0.006)/ND (0.006)	ND (0.007)/ND (0.008)
cis-1,2-Dichloroethene	0.22 J	0.001	0.005 J/0.007	0.23/0.23
Methylene chloride	ND (0.67)	ND (0.001)	ND (0.006)/ND (0.006)	ND (0.007)/ND (0.008)
Tetrachloroethene	5.6	0.001	0.002 J/0.011	0.062/0.064
Trichloroethene	0.81	0.0003 J	0.001 J/0.003 J	0.038/0.039
Vinyl chloride	ND (0.67)	ND (0.001)	ND (0.006)/ND (0.006)	0.016/0.016
SVOAs				
Benzo(a)anthracene	4.6	ND (0.01)	0.28 J/0.71	ND (0.01)/ND (0.01)
Benzo(a)pyrene	4.3	ND (0.01)	0.33 J/0.63	ND (0.01)/ND (0.01)
Benzo(b)fluoranthene	5.2	ND (0.01)	0.53 J/1.2	ND (0.01)/ND (0.01)
bis(2-Ethylhexyl)phthalate	3.9	ND (0.01)	1.4 J/1.2	ND (0.01)/ND (0.01)
Dibenz(a,h)anthracene	0.93 J	ND (0.01)	ND (2)/0.13 J	ND (0.01)/ND (0.01)
PCBs				
Total PCBs	19.1 J	0.0003 J	12.3 J/11.3 J	ND (0.0002)/ND (0.0002)

MH-16	10/13/04 Sediment on-site
VOAs	
1,1-Dichloroethene	ND (0.006)
Benzene	ND (0.006)
cis-1,2-Dichloroethene	ND (0.006)
Methylene chloride	0.004 J
Tetrachloroethene	ND (0.006)
Trichloroethene	ND (0.006)
Vinyl chloride	ND (0.006)
SVOAs	
Benzo(a)anthracene	2.8 J
Benzo(a)pyrene	3 J
Benzo(b)fluoranthene	4.3 J
bis(2-Ethylhexyl)phthalate	13
Dibenz(a,h)anthracene	1 J
PCBs	
Total PCBs	347 J

MH-25	4/8/02 Storm Sewer Water on-site	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site
VOAs			
1,1-Dichloroethene	ND (0.001)	ND (0.01)	ND (0.001)
Benzene	ND (0.001)	0.001 J	ND (0.001)
cis-1,2-Dichloroethene	0.001	ND (0.01)	0.002
Methylene chloride	ND (0.001)	ND (0.01)	ND (0.001)
Tetrachloroethene	ND (0.001)	ND (0.01)	0.0003 J
Trichloroethene	0.0005 J	ND (0.01)	ND (0.001)
Vinyl chloride	ND (0.001)	ND (0.01)	0.0002 J
SVOAs			
Benzo(a)anthracene	ND (0.01)	15 J	0.001 J
Benzo(a)pyrene	ND (0.01)	13 J	0.002 J
Benzo(b)fluoranthene	ND (0.01)	20 J	0.002 J
bis(2-Ethylhexyl)phthalate	ND (0.01)	30 J	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)	2.1 J	ND (0.01)
PCBs			
Total PCBs	ND (0.0002)	15.4 J	0.056 J

INT-5	4/8/02 Storm Sewer Water on-site	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site
VOAs			
1,1-Dichloroethene	ND (0.001)	ND (0.012)	ND (0.001)
Benzene	ND (0.001)	ND (0.012)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.001)	ND (0.012)	ND (0.001)
Methylene chloride	ND (0.001)	ND (0.012)	ND (0.001)
Tetrachloroethene	ND (0.001)	ND (0.012)	ND (0.001)
Trichloroethene	ND (0.001)	0.002 J	0.0003 J
Vinyl chloride	ND (0.001)	ND (0.012)	ND (0.001)
SVOAs			
Benzo(a)anthracene	ND (0.01)	ND (130)	ND (0.01)
Benzo(a)pyrene	ND (0.01)	ND (130)	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)	9.6 J	ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (0.01)	ND (130)	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)	ND (130)	ND (0.01)
PCBs			
Total PCBs	ND (0.0002)	0.443 J	ND (0.0002)

MH-26-INT-6	4/8/02 Sediment on-site	4/8/02 Storm Sewer Water on-site	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site
VOAs				
1,1-Dichloroethene	ND (0.03)	ND (0.001)	ND (0.011)	ND (0.001)
Benzene	ND (0.03)	ND (0.001)	0.001 J	ND (0.001)
cis-1,2-Dichloroethene	ND (0.015)	ND (0.001)	0.003 J	0.0002 J
Methylene chloride	ND (0.03)	ND (0.001)	ND (0.011)	ND (0.001)
Tetrachloroethene	ND (0.03)	ND (0.001)	ND (0.011)	ND (0.001)
Trichloroethene	ND (0.03)	ND (0.001)	0.003 J	0.001 J
Vinyl chloride	ND (0.03)	ND (0.001)	ND (0.011)	ND (0.001)
SVOAs				
Benzo(a)anthracene	3	ND (0.01)	7.1	ND (0.01)
Benzo(a)pyrene	3.9	ND (0.01)	7.2	ND (0.01)
Benzo(b)fluoranthene	4.3	ND (0.01)	11	ND (0.01)
bis(2-Ethylhexyl)phthalate	7.6	ND (0.01)	2.4 J	ND (0.01)
Dibenz(a,h)anthracene	0.7 J	ND (0.01)	1.1 J	ND (0.01)
PCBs				
Total PCBs	0.318 J	ND (0.0002)	0.145 J	ND (0.0002)

MH-35	6/27/05 Sediment on-site	10/20/05 Sediment on-site
VOAs		
1,1-Dichloroethene	ND (0.006)	ND (0.006)
Benzene	ND (0.006)	ND (0.006)
cis-1,2-Dichloroethene	ND (0.006)	ND (0.006)
Methylene chloride	ND (0.006)	ND (0.006)
Tetrachloroethene	0.001 J	ND (0.006)
Trichloroethene	ND (0.006)	ND (0.006)
Vinyl chloride	ND (0.006)	ND (0.006)
SVOAs		
Benzo(a)anthracene	8.3 J	10
Benzo(a)pyrene	9.2	8.6
Benzo(b)fluoranthene	12	12
bis(2-Ethylhexyl)phthalate	1.8 J	1.3
Dibenz(a,h)anthracene	1.8 J	1
PCBs		
Total PCBs	0.746 J	2.22 J

LEGEND

- BUILDING WALL
- BUILDING BOUNDARY
- FORMER BUILDING WALL
- SHORELINE
- RAILROAD
- SOIL PRESENTATION AREA BOUNDARY
- ■ SOIL BORING LOCATION
- ● MONITORING WELL LOCATION
- WIPE/CONCRETE CORE SAMPLE LOCATION
- OZONE SPARGE WELL LOCATION
- X O INJECTION BORING FOR HRC BARRIER
- BS-8 O BASEMENT SUMP LOCATION
- MH O PROCESS SEWER MANHOLE LOCATION
- MH O STORM SEWER MANHOLE LOCATION
- INT-1 ■ STORM SEWER INTERCEPTOR LOCATION
- PR PROCESS SEWER LINE
- STM STORM SEWER LINE

AOI 1 - SOLVENT RELEASE AREA
AOI 2 - STILL ROOM
AOI 3 - WASTE TANKS
AOI 4 - HAZARDOUS WASTE STAGING AND STORING AREAS
AOI 5 - ELECTROPLATING
AOI 6 - SPILL INTERCEPTORS
AOI 7 - SOLVENT STORAGE TANK
AOI 8 - DEGREASING UNITS:
● STODDARD SOLVENT
■ TCE/PCE/TCA SOLVENT
▲ FREON SOLVENT
** ON UPPER FLOOR
AOI 9 - SATELLITE CLEANING AREA (VARIOUS LOCATIONS THROUGHOUT SITE)
AOI 10 - PAINT WASTE ACCUMULATION AREAS
AOI 11 - CHIP HANDLING AREAS
AOI 12 - CUTTING OIL UST'S
AOI 13 - OIL HOUSE
AOI 14 - HYDRAULIC OIL AND COOLANT UST'S
AOI 15 - HYDRAULIC OIL UST
AOI 16 - FUEL UST'S
AOI 17 - REFRIGERANT UST'S
AOI 18 - STORM SEWERS (VARIOUS LOCATIONS THROUGHOUT SITE)
AOI 19 - PROCESS SEWERS (VARIOUS LOCATIONS THROUGHOUT SITE)
AOI 20 - PCB RELEASES FROM ELECTRICAL EQUIPMENT
AOI 21 - HYDROMATION PIT
AOI 22 - INCINERATOR
AOI 23 - UST'S AND FORMER STILL
AOI 24 - FORMER MACHINE GUN TESTING AREA
AOI 25 - HYDROCHLORIC ACID SPILLS
AOI 26 - PCB RELEASES FORM PROCESS EQUIPMENT:
* PROCESS DUCT
△ No.2 VAILL MACHINE
□ TOOL GRIND ROOM
○ GEAR BOX
AOI 27 - BATTERY CHARGING STATION (A SECOND STATION MAY HAVE BEEN LOCATED IN BLDG. 5)
AOI 28 - FORMER MIAMI CANAL EXTENSION
AOI 29 - BUILDING 12 STILL
AOI 30 - EXPERIMENTAL AIR CONDITIONING
AOI 31 - BUILDING 1 SPRAY BOOTHS
AOI 32 - BUILDING 3 TRANSFORMER (GROUND LEVEL)
AOI 33 - PAINT AND ENAMEL STORAGE
AOI 34 - PARTS GRINDING
AOI 35 - STORAGE TANKS

0 40

BS-4	4/12/2002 Storm Sewer Water on-site
VOAs	
1,1-Dichloroethene	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.002)
1,2-Dibromoethane (Ethylene Dibromide)	ND (0.001)
Benzene	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.001)
Carbon tetrachloride	ND (0.001)
Chloroform (Trichloromethane)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.001)
Isopropylbenzene	ND (0.001)
Methylene chloride	ND (0.001)
Tetrachloroethene	0.003
Trichloroethene	0.001 J
Vinyl chloride	ND (0.001)

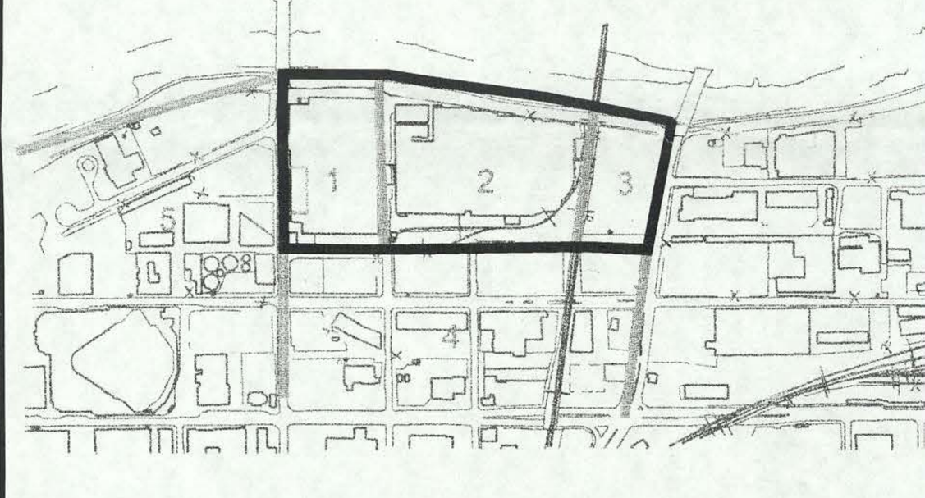
SAMPLE LOCATION
SAMPLE DATE
SAMPLE MATRIX
ON-SITE/OFF-SITE INDICATO
CONCENTRATION (mg/kg - SEDIMENT, mg/L - WA
PARAMETER
0.006 J (H) EXCEEDS CRITERIA

STORM SEWER SEDIMENT Chemical Name	D	E	F
VOCs			
1,1-Dichloroethene	4.13E+02	1.20E+02	2.40E+01
Benzene	1.41E+01	3.48E+00	1.15E+01
cis-1,2-Dichloroethene	1.46E+02	3.63E+01	7.25E+01
Methylene chloride	2.05E+02	5.25E+01	2.63E+02
Tetrachloroethene	1.31E+01	8.51E+00	4.26E+01
Trichloroethene	6.12E+01	1.88E+01	9.40E+01
Vinyl chloride	7.46E+00	1.49E+00	7.49E+00
SVOCs			
Benzo(a)anthracene	2.11E+01	2.81E+01	3.21E+02
Benzo(a)pyrene	2.11E+00	2.88E+00	3.35E+01
Benzo(b)fluoranthene	2.11E+01	2.72E+01	3.00E+02
bis(2-Ethylhexyl)phthalate	1.23E+03	1.76E+03	7.66E+03
Dibenz(a,h)anthracene	2.11E+00	2.88E+00	3.42E+01
PCBs			
Total PCBs	7.44E+00	7.28E+00	1.75E+01
Metals			
Arsenic	1.59E+01	2.73E+01	2.08E+02
Cadmium	4.51E+02	1.33E+03	4.44E+02
Lead	8.00E+02	7.49E+02	-
Manganese	1.95E+04	6.84E+04	1.43E+03
Mercury	1.36E+01	2.98E+01	6.01E+00

STORM SEWER WATER Chemical Name	A	B (On Site)	B (Off Site)	C
VOCs				
1,1-Dichloroethene	7.00E-03	2.44E+02	2.42E+02	1.25E+02
Benzene	5.00E-03	6.41E+00	6.19E+00	4.88E+00
cis-1,2-Dichloroethene	7.00E-02	6.38E+01	6.09E+01	2.29E+01
Methylene chloride	5.00E-03	1.27E+02	1.18E+02	8.94E+01
Tetrachloroethene	5.00E-03	1.49E+01	1.47E+01	1.41E+01
Trichloroethene	5.00E-03	2.73E+01	2.67E+01	2.66E+01
Vinyl chloride	2.00E-03	3.29E+00	3.25E+00	2.02E+00
SVOCs				
Benzo(a)anthracene	1.17E-03	1.43E+02	1.10E+02	6.17E-02
Benzo(a)pyrene	2.00E-04	4.20E+01	3.24E+01	4.35E-03
Benzo(b)fluoranthene	1.17E-03	7.70E+00	6.72E+00	3.71E-02
bis(2-Ethylhexyl)phthalate	6.00E-03	1.00E+05	7.69E+04	1.82E+00
Dibenz(a,h)anthracene	1.17E-04	2.81E+03	2.08E+03	2.78E-03
PCBs				
Total PCBs	5.00E-04	2.52E-01	2.43E-01	9.35E-03
Metals				
Arsenic	1.00E-02	-	-	1.44E+01
Cadmium	5.00E-03	-	-	1.80E+01
Lead	1.50E-02	-	-	7.40E+01
Manganese	5.11E+00	-	-	5.96E+03
Mercury	2.00E-03	8.33E-01	8.19E-01	2.88E-01

A Drinking Water (DW)
B Onsite / Offsite Routine Worker (RW) Risk-Based GW Volatilization to Indoor Air
C Risk-Based Routine Construction Worker (Const) GW Contact Criteria
D R9 Industrial (Ind) PRG E-5
E Routine Worker (RW) Risk-Based Soil Volatilization to Indoor Air
F Risk-Based Redevelopment Worker (RDVLP) Soil Contact Criteria

DRAFT



KEY PLAN

NOTES:
1. TOTAL PCBs WERE SUMMED BY ADDING THE POSITIVE DETECTIONS PLUS HALF THE QUANTITATION LIMITS FOR NON-DETECT RESULTS OF AROCLORS DETECTED ELSEWHERE AT THE SITE. IF QUANTITATION LIMITS ARE NOT AVAILABLE, HALF THE REPORTING LIMITS ARE USED FOR NON-DETECTED VALUES.
2. SCREENING CRITERIA AND SAMPLE RESULTS ARE COMPARED TO TWO SIGNIFICANT DIGITS. RESULTS EQUAL TO SCREENING CRITERIA ARE NOT HIGHLIGHTED AS EXCEEDANCES.
3. PARAMETERS THAT DO NOT APPEAR IN THE DATABOX FOR A PARTICULAR SAMPLE WERE NOT ANALYZED.
4. EXCEEDANCES FOR EACH CONSTITUENT ARE BASED ON THE RATIOS OF SITE-RELATED CONCENTRATIONS TO SCREENING CRITERIA GREATER THAN 1.0. SITE-RELATED INORGANIC CONCENTRATIONS ARE THOSE IN EXCESS OF BACKGROUND LEVELS.

SCALE VERIFICATION
THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY

Dayton, Ohio

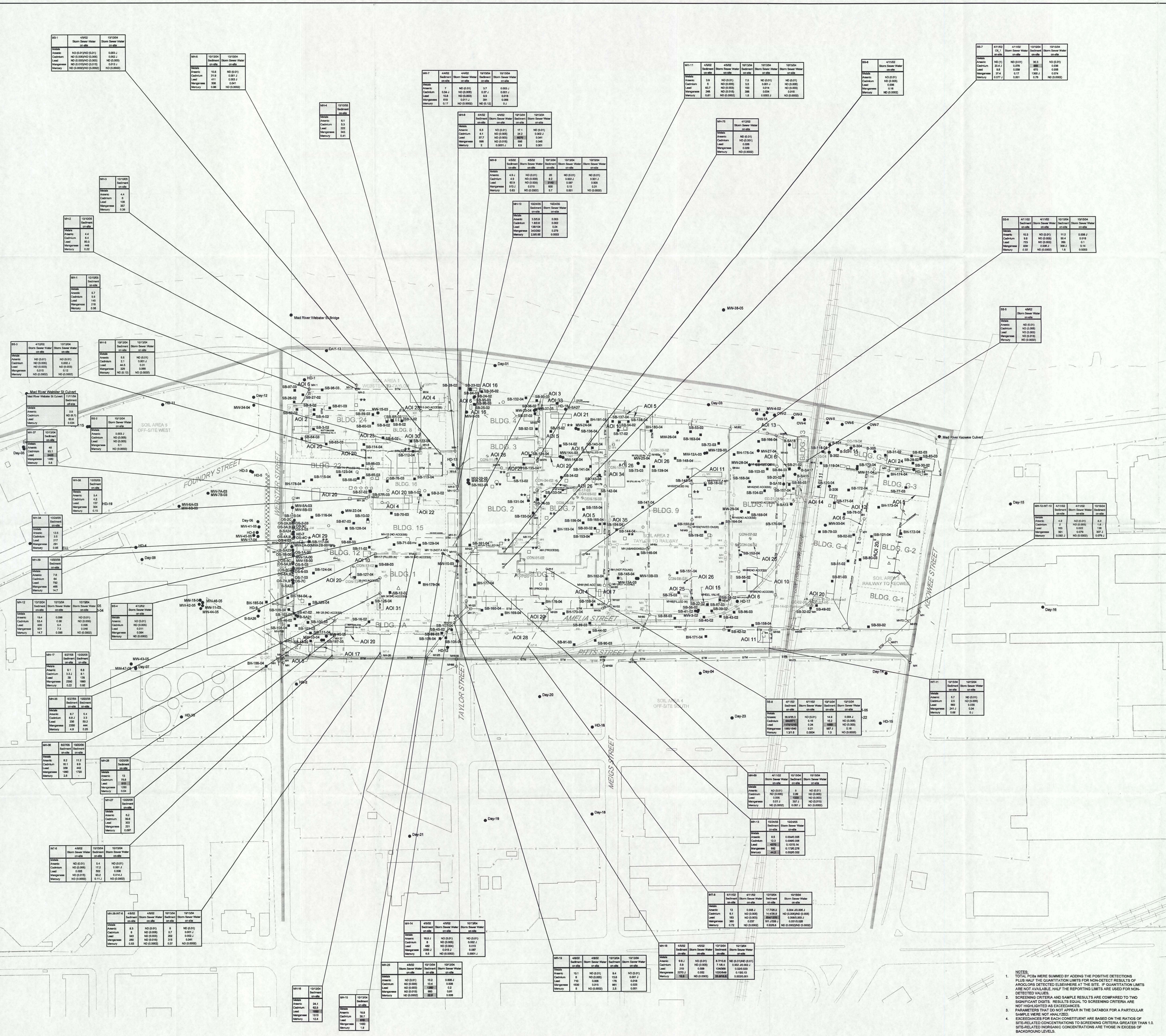
STORMWATER, SEDIMENT, AND OIL ANALYTICAL DATA - ORGANICS - SITE W

CONESTOGA-ROVERS & ASSOCIAT

Source Reference:

Project Manager: IKR	Reviewed By: SE	Date: DECEMBER 2005	
Scale: 1"=80'	Project Nº: 12638-04	Report Nº: MEMO038	Drawin

12638-04(MEMO038)GN-WA012 JAN



BS-1	4/9/02 Storm Sewer Water on-site	10/13/04 Storm Sewer Water on-site
Metals		
Arsenic	ND (0.01)/ND (0.01)	0.003 J
Cadmium	ND (0.005)/ND (0.005)	0.002 J
Lead	ND (0.003)/ND (0.003)	ND (0.003)
Manganese	ND (0.015)/ND (0.015)	0.012 J
Mercury	ND (0.0002)/ND (0.0002)	ND (0.0002)

MH-5	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site
Metals		
Arsenic	10.8	ND (0.01)
Cadmium	21.9	0.001 J
Lead	411	0.003 J
Manganese	308	0.041
Mercury	0.98	ND (0.0002)

MH-7	4/4/02 Sediment on-site	4/4/02 Storm Sewer Water on-site	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site
Metals				
Arsenic	7	ND (0.01)	3.7	0.003 J
Cadmium	0.54 J	ND (0.005)	0.37 J	0.001 J
Lead	10.8	ND (0.003)	9.9	0.016
Manganese	619	0.011 J	391	0.056
Mercury	0.17	ND (0.0002)	ND (0.12)	0 J

MH-4	10/10/05 Sediment on-site
Metals	
Arsenic	6.1
Cadmium	5.3
Lead	222
Manganese	343
Mercury	0.41

MH-8	4/4/02 Sediment on-site	4/4/02 Storm Sewer Water on-site	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site
Metals				
Arsenic	6.5	ND (0.01)	17.1	ND (0.01)
Cadmium	4.1	ND (0.005)	24.2	0.002 J
Lead	37.7	ND (0.003)	6670	0.041
Manganese	596	ND (0.015)	595	0.045
Mercury	2	0.0001 J	8.9	0.001

MH-9	4/5/02 Sediment on-site	4/5/02 Storm Sewer Water on-site	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site	10/15/04 Storm Sewer Water on-site
Metals					
Arsenic	4.9 J	ND (0.01)	20	ND (0.01)	ND (0.01)
Cadmium	4.9	ND (0.005)	8.2	0.002 J	0.001 J
Lead	62.9	ND (0.005)	3140	0.057	0.005
Manganese	513 J	0.015	600	0.12	0.31
Mercury	0.63	ND (0.0002)	5.7	0.001	ND (0.0002)

MH-10	10/24/05 Sediment on-site	10/24/05 Storm Sewer Water on-site
Metals		
Arsenic	3.5/5.9	0.003
Cadmium	1.8/2.8	0.002
Lead	136/104	0.04
Manganese	343/282	0.279
Mercury	2.8/0.65	0.0003

MH-11	4/5/02 Sediment on-site	4/5/02 Storm Sewer Water on-site	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site	10/15/04 Storm Sewer Water on-site
Metals					
Arsenic	3.9	ND (0.01)	7.5	ND (0.01)	ND (0.01)
Cadmium	5	ND (0.005)	3.5	0.001 J	ND (0.005)
Lead	60.7	ND (0.003)	153	0.014	ND (0.003)
Manganese	248	ND (0.015)	396	0.034	0.015
Mercury	0.81	ND (0.0002)	1.5	0.0002 J	ND (0.0002)

MH-75	4/12/02 Storm Sewer Water on-site
Metals	
Arsenic	ND (0.01)
Cadmium	ND (0.001)
Lead	0.026
Manganese	0.029
Mercury	ND (0.0002)

BS-6	4/11/02 Storm Sewer Water on-site
Metals	
Arsenic	ND (0.01)
Cadmium	ND (0.005)
Lead	0.006
Manganese	0.16
Mercury	ND (0.0002)

BS-7	4/11/02 Oil_1 on-site	4/11/02 Storm Sewer Water on-site	10/15/04 Sediment on-site	10/15/04 Storm Sewer Water on-site
Metals				
Arsenic	ND (1)	ND (0.01)	30.3	ND (0.01)
Cadmium	20.4 J	0.078	868	0.036
Lead	9.8	0.039	670	0.005
Manganese	37.4	0.17	1300 J	0.074
Mercury	0.077 J	0.001	0.76	ND (0.0002)

BS-9	4/11/02 Sediment on-site	4/11/02 Storm Sewer Water on-site	10/15/04 Sediment on-site	10/15/04 Storm Sewer Water on-site
Metals				
Arsenic	10.3	ND (0.01)	11.2	0.006 J
Cadmium	9.8	ND (0.005)	50.4	0.016
Lead	723	ND (0.003)	265	0.1
Manganese	839	0.006 J	308 J	0.14
Mercury	0.32	ND (0.0002)	1.6	0.0003

BS-5	4/9/02 Storm Sewer Water on-site
Metals	
Arsenic	ND (0.01)
Cadmium	ND (0.005)
Lead	ND (0.003)
Manganese	ND (0.015)
Mercury	ND (0.0002)

MH-3	10/10/05 Sediment on-site
Metals	
Arsenic	4.4
Cadmium	6
Lead	108
Manganese	357
Mercury	0.39

MH-2	10/10/05 Sediment on-site
Metals	
Arsenic	4.4
Cadmium	6.4
Lead	80.5
Manganese	448
Mercury	0.22

MH-1	10/10/05 Sediment on-site
Metals	
Arsenic	5.7
Cadmium	5.9
Lead	145
Manganese	216
Mercury	0.56

BS-3	4/12/02 Storm Sewer Water on-site	10/13/04 Storm Sewer Water on-site
Metals		
Arsenic	ND (0.01)	ND (0.01)
Cadmium	ND (0.005)	0.002 J
Lead	ND (0.003)	ND (0.003)
Manganese	0.015	0.12
Mercury	ND (0.0002)	ND (0.0002)

MH-6	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site
Metals		
Arsenic	5.5	ND (0.01)
Cadmium	2.1	0.001 J
Lead	44.5	0.01
Manganese	329	0.066
Mercury	ND (0.12)	ND (0.0002)

Mad River Webster St Culvert	11/11/04 Sediment off-site
Metals	
Arsenic	3.9
Cadmium	ND (6.7)
Lead	63.8
Mercury	0.034

BS-2	10/13/04 Storm Sewer Water on-site
Metals	
Arsenic	0.003 J
Cadmium	ND (0.005)
Lead	ND (0.003)
Manganese	0.1
Mercury	ND (0.0002)

MH-37	10/13/04 Sediment on-site
Metals	
Arsenic	48
Cadmium	93.1
Lead	2400
Manganese	1460
Mercury	5.8

MH-38	10/20/05 Sediment on-site
Metals	
Arsenic	5.4
Cadmium	4.2
Lead	137
Manganese	304
Mercury	0.15

MH-34	10/24/05 Sediment on-site
Metals	
Arsenic	12.5
Cadmium	3.5
Lead	217
Manganese	291
Mercury	0.95

MH-39	10/20/05 Sediment on-site
Metals	
Arsenic	7.6
Cadmium	64
Lead	792
Manganese	488
Mercury	14.7

MH-12	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site	10/15/04 Storm Sewer Water on-site
Metals			
Arsenic	19.4	0.098	ND (0.01)
Cadmium	53.4	0.56	ND (0.005)
Lead	500	5.4	0.005
Manganese	831	7.3	0.046
Mercury	14.7	0.095	ND (0.0002)

BS-4	4/12/02 Storm Sewer Water on-site
Metals	
Arsenic	ND (0.01)
Cadmium	ND (0.005)
Lead	0.011
Manganese	0.064
Mercury	ND (0.0002)

MH-17	6/27/05 Sediment on-site	10/20/05 Sediment on-site
Metals		
Arsenic	9.1	6.8
Cadmium	3.3 J	8.1
Lead	29	129
Manganese	2350	1890
Mercury	0.22	0.92

MH-35	6/27/05 Sediment on-site	10/20/05 Sediment on-site
Metals		
Arsenic	6.7	5.4
Cadmium	6.8 J	3.3
Lead	235	50.2
Manganese	2350	444
Mercury	4.9	0.25

MH-36	6/27/05 Sediment on-site	10/20/05 Sediment on-site
Metals		
Arsenic	8.2	11.2
Cadmium	16.1	9.9
Lead	339	442
Manganese	1990	1720
Mercury	2.6	-

MH-28	10/20/05 Sediment on-site
Metals	
Arsenic	13
Cadmium	78.6
Lead	910
Manganese	1250
Mercury	0.54

MH-27	10/20/05 Sediment on-site
Metals	
Arsenic	6.2
Cadmium	39.6
Lead	303
Manganese	221
Mercury	0.097

INT-5	4/8/02 Storm Sewer Water on-site	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site
Metals			
Arsenic	ND (0.01)	5.4	ND (0.01)
Cadmium	ND (0.005)	17.2	0.001 J
Lead	0.005	502	0.006
Manganese	ND (0.015)	93.2	0.014 J
Mercury	ND (0.0002)	0.11 J	ND (0.0002)

MH-26-INT-6	4/8/02 Sediment on-site	4/8/02 Storm Sewer Water on-site	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site
Metals				
Arsenic	8.3	ND (0.01)	8	ND (0.01)
Cadmium	6	ND (0.005)	2.7	0.001 J
Lead	343	ND (0.003)	202	0.002 J
Manganese	280	ND (0.015)	315	0.041
Mercury	0.53	ND (0.0002)	0.37	ND (0.0002)

MH-14	4/5/02 Sediment on-site	4/5/02 Storm Sewer Water on-site	10/13/04 Storm Sewer Water on-site
Metals			
Arsenic	16.5 J	ND (0.01)	ND (0.01)
Cadmium	8	ND (0.005)	0.002 J
Lead	482	ND (0.004)	0.013
Manganese	2390 J	0.013 J	0.067
Mercury	6.5	ND (0.0002)	0.0001 J

MH-25	4/8/02 Storm Sewer Water on-site	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site
Metals			
Arsenic	ND (0.01)	13.2	0.008 J
Cadmium	ND (0.005)	13.4	0.008
Lead	ND (0.003)	1260	0.2
Manganese	ND (0.015)	693	0.91
Mercury	ND (0.0002)	22.8	0.006

MH-16	10/13/04 Sediment on-site
Metals	
Arsenic	24.1
Cadmium	62.5
Lead	1930
Manganese	1510
Mercury	12.4

MH-15	10/13/04 Sediment on-site
Metals	
Arsenic	18.8
Cadmium	30.7
Lead	916
Manganese	1460
Mercury	1.9

MH-19	4/8/02 Sediment on-site	4/8/02 Storm Sewer Water on-site	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site
Metals				
Arsenic	10.1	ND (0.01)	9.4	ND (0.01)
Cadmium	8	ND (0.005)	13.6	0.001 J
Lead	710	0.006	176	0.018
Manganese	1530	0.015	961	0.023
Mercury	5	ND (0.0002)	2.5	0.001

MH-18	4/5/02 Sediment on-site	4/5/02 Storm Sewer Water on-site	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site
Metals				
Arsenic	9.9 J	ND (0.01)	8.7/10.6	ND (0.01)/ND (0.01)
Cadmium	5.9	ND (0.005)	7.1/8.4	0.002 J/0.002 J
Lead	210	0.009	124/368	0.02/0.023
Manganese	2270 J	0.052	1020/649	0.15/0.13
Mercury	16.9	ND (0.0002)	23.9/18.8	0.002/0.001

INT-8	4/11/02 Sediment on-site	4/11/02 Storm Sewer Water on-site	10/15/04 Sediment on-site	10/15/04 Storm Sewer Water on-site
Metals				
Arsenic	13	0.005 J	17.7/25.2	0.004 J/0.005 J
Cadmium	6.1	ND (0.005)	14.4/35.9	ND (0.005)/ND (0.005)
Lead	183	ND (0.003)	934/1370	0.005/0.003 J
Manganese	360	0.037	181 J/328 J	0.031/0.026
Mercury	0.72	ND (0.0002)	0.92/8.8	ND (0.0002)/ND (0.0002)

MH-13	10/24/05 Sediment on-site	10/24/05 Storm Sewer Water on-site
Metals		
Arsenic	8.5	0.004/0.005
Cadmium	12.3	0.006/0.005
Lead	4370	0.107/0.14
Manganese	592	0.173/0.276
Mercury	44.2	0.002/0.002

MH-69	4/11/02 Storm Sewer Water on-site	10/15/04 Sediment on-site	10/15/04 Storm Sewer Water on-site
Metals			
Arsenic	ND (0.01)	5	ND (0.01)
Cadmium	ND (0.005)	0.99	ND (0.005)
Lead	0.006	1330	ND (0.003)
Manganese	0.01 J	357 J	ND (0.015)
Mercury	ND (0.0002)	0.087 J	ND (0.0002)

BS-8	4/11/02 Sediment on-site	4/11/02 Storm Sewer Water on-site	10/15/04 Sediment on-site	10/15/04 Storm Sewer Water on-site
Metals				
Arsenic	36.8/35.3	ND (0.01)	14.9	0.004 J
Cadmium	944/871	0.15	15.2	ND (0.005)
Lead	1170/1210	0.24	1880	ND (0.003)
Manganese	1960/1540	0.21	957 J	0.16
Mercury	1.3/1.6	0.0004	1.3	ND (0.0002)

INT-11	10/15/04 Sediment on-site	10/15/04 Storm Sewer Water on-site
Metals		
Arsenic	5.7	ND (0.01)
Cadmium	2.5	ND (0.005)
Lead	663	0.035
Manganese	241 J	0.04
Mercury	0.68	0 J

MH-72-INT-10	4/11/02 Sediment on-site	4/11/02 Storm Sewer Water on-site	10/15/04 Sediment on-site
Metals			
Arsenic	4.9	ND (0.01)	5.3
Cadmium	2	ND (0.005)	1.8
Lead	163	0.022	136
Manganese	391	0.079	307 J
Mercury	0.092 J	ND (0.0002)	0.079 J

N

0 40 80ft

LEGEND

BUILDING WALL
BUILDING BOUNDARY
FORMER BUILDING WALL
SHORELINE
RAILROAD
SOIL PRESENTATION AREA BOUNDARY
SOIL BORING LOCATION
MONITORING WELL LOCATION
WIPE/CONCRETE CORE SAMPLE LOCATION
OZONE SPARGE WELL LOCATION
INJECTION BORING FOR HRC BARRIER
BASEMENT SUMP LOCATION
PROCESS SEWER MANHOLE LOCATION
STORM SEWER MANHOLE LOCATION
STORM SEWER INTERCEPTOR LOCATION
PROCESS SEWER LINE
STORM SEWER LINE

AOI 1 - SOLVENT RELEASE AREA
AOI 2 - STILL ROOM
AOI 3 - WASTE TANKS
AOI 4 - HAZARDOUS WASTE STAGING AND STORING AREAS
AOI 5 - ELECTROPLATING
AOI 6 - SPILL INTERCEPTORS
AOI 7 - SOLVENT STORAGE TANK
AOI 8 - DEGREASING UNITS:
STODDARD SOLVENT
TCE/PCE/TCA SOLVENT
FREON SOLVENT
ON UPPER FLOOR
AOI 9 - SATELLITE CLEANING AREA (VARIOUS LOCATIONS THROUGHOUT SITE)
AOI 10 - PAINT WASTE ACCUMULATION AREAS
AOI 11 - CHIP HANDLING AREAS
AOI 12 - CUTTING OIL UST'S
AOI 13 - OIL HOUSE
AOI 14 - HYDRAULIC OIL AND COOLANT UST'S
AOI 15 - HYDRAULIC OIL UST
AOI 16 - FUEL UST'S
AOI 17 - REFRIGERANT UST'S
AOI 18 - STORM SEWERS (VARIOUS LOCATIONS THROUGHOUT SITE)
AOI 19 - PROCESS SEWERS (VARIOUS LOCATIONS THROUGHOUT SITE)
AOI 20 - PCB RELEASES FROM ELECTRICAL EQUIPMENT
AOI 21 - HYDROMATION PIT
AOI 22 - INCINERATOR
AOI 23 - UST'S AND FORMER STILL
AOI 24 - FORMER MACHINE GUN TESTING AREA
AOI 25 - HYDROCHLORIC ACID SPILLS
AOI 26 - PCB RELEASES FORM PROCESS EQUIPMENT:
PROCESS DUCT
No.2 VAILL MACHINE
TOOL GRIND ROOM
GEAR BOX
AOI 27 - BATTERY CHARGING STATION (A SECOND STATION MAY HAVE BEEN LOCATED IN BLDG. 5)
AOI 28 - FORMER MIAMI CANAL EXTENSION
AOI 29 - BUILDING 12 STILL
AOI 30 - EXPERIMENTAL AIR CONDITIONING
AOI 31 - BUILDING 1 SPRAY BOOTHS
AOI 32 - BUILDING 3 TRANSFORMER (GROUND LEVEL)
AOI 33 - PAINT AND ENAMEL STORAGE
AOI 34 - PARTS GRINDING
AOI 35 - STORAGE TANKS

BS-4	4/12/2002 Storm Sewer Water on-site
VOAs	
1,1-Dichloroethene	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.002)
1,2-Dibromoethane (Ethylene Dibromide)	ND (0.001)
Benzene	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.001)
Carbon tetrachloride	ND (0.001)
Chloroform (Trichloromethane)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.001)
Isopropylbenzene	ND (0.001)
Methylene chloride	ND (0.001)
Tetrachloroethene	0.003
Trichloroethene	0.001 J
Vinyl chloride	ND (0.001)

SAMPLE LOCATION
SAMPLE DATE
SAMPLE MATRIX
ON-SITE/OFF-SITE INDICATOR
CONCENTRATION (mg/kg - SEDIMENT, mg/L - WA
PARAMETER
0.006 J (H) EXCEEDS CRITERIA

STORM SEWER SEDIMENT

Chemical Name	D	E	F
VOCs			
1,1-Dichloroethene	4.13E+02	1.20E+02	2.40E+01
Benzene	1.41E+01	3.46E+00	1.15E+01
cis-1,2-Dichloroethene	1.46E+02	3.63E+01	7.25E+01
Methylene chloride	2.05E+02	5.25E+01	2.63E+02
Tetrachloroethene	1.31E+01	8.51E+00	4.26E+01
Trichloroethene	6.12E+01	1.88E+01	9.40E+01
Vinyl chloride	7.46E+00	1.49E+00	7.49E+00
SVOCs			
Benzo(a)anthracene	2.11E+01	2.81E+01	3.21E+02
Benzo(a)pyrene	2.11E+00	2.86E+00	3.35E+01
Benzo(b)fluoranthene	2.11E+01	2.72E+01	3.00E+02
bis(2-Ethylhexyl)phthalate	1.23E+03	1.76E+03	7.66E+03
Dibenz(a,h)anthracene	2.11E+00	2.88E+00	3.42E+01
PCBs			
Total PCBs	7.44E+00	7.28E+00	1.75E+01
Metals			
Arsenic	1.59E+01	2.73E+01	2.08E+02
Cadmium	4.51E+02	1.33E+03	4.44E+02
Lead	8.00E+02	7.49E+02	-
Manganese	1.95E+04	6.84E+04	1.43E+03
Mercury	1.38E+01	2.98E+01	6.01E+00

STORM SEWER WATER

Chemical Name	A	B (On Site)	B (Off Site)	C
VOCs				
1,1-Dichloroethene	7.00E-03	2.44E+02	2.42E+02	1.25E+02
Benzene	5.00E-03	6.41E+00	6.19E+00	4.88E+00
cis-1,2-Dichloroethene	7.00E-02	6.38E+01	6.09E+01	2.29E+01
Methylene chloride	5.00E-03	1.27E+02	1.18E+02	8.94E+01
Tetrachloroethene	5.00E-03	1.49E+01	1.47E+01	1.41E+01
Trichloroethene	5.00E-03	2.73E+01	2.67E+01	2.68E+01
Vinyl chloride	2.00E-03	3.29E+00	3.25E+00	2.02E+00
SVOCs				
Benzo(a)anthracene	1.17E-03	1.43E+02	1.10E+02	6.17E-02
Benzo(a)pyrene	2.00E-04	4.20E+01	3.24E+01	4.35E-03
Benzo(b)fluoranthene	1.17E-03	7.70E+00	6.72E+00	3.71E-02
bis(2-Ethylhexyl)phthalate	6.00E-03	1.00E+05	7.69E+04	1.62E+00
Dibenz(a,h)anthracene	1.17E-04	2.81E+03	2.08E+03	2.78E-03
PCBs				
Total PCBs	5.00E-04	2.52E-01	2.43E-01	9.35E-03
Metals				
Arsenic	1.00E-02	-	-	1.44E+01
Cadmium	5.00E-03	-	-	1.80E+01
Lead	1.50E-02	-	-	7.40E+01
Manganese	5.11E+00	-	-	5.98E+03
Mercury	2.00E-03	8.33E-01	8.19E-01	2.86E-01

A Drinking Water (DW)
B Onsite / Offsite Routine Worker (RW) Risk-Based GW Volatilization to Indoor Air
C Risk-Based Routine Construction Worker (Const) GW Contact Criteria
D R9 Industrial (Ind) PRG E-5
E Routine Worker (RW) Risk-Based Soil Volatilization to Indoor Air
F Risk-Based Redevelopment Worker (RDVLP) Soil Contact Criteria

DRAFT

KEY PLAN

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

FORMER DELPHI HARRISON
THERMAL SYSTEMS FACILITY

Dayton, Ohio

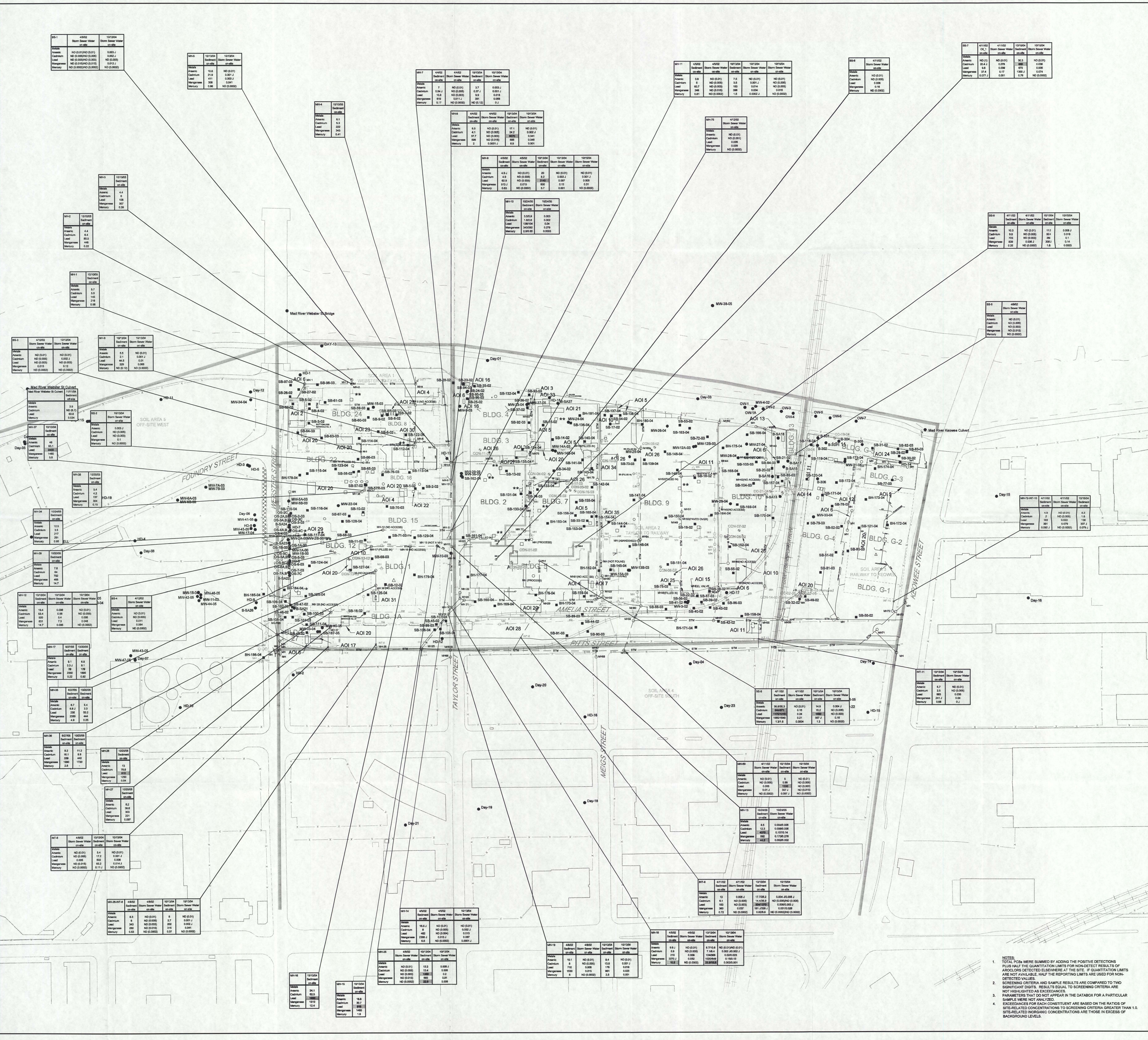
STORMWATER, SEDIMENT, AND OIL
ANALYTICAL DATA - INORGANICS - SITE W

CONESTOGA-ROVERS & ASSOCIAT

NOTES:
1. TOTAL PCBs WERE SUMMED BY ADDING THE POSITIVE DETECTIONS PLUS HALF THE QUANTITATION LIMITS FOR NON-DETECT RESULTS OF AROCLORS DETECTED ELSEWHERE AT THE SITE. IF QUANTITATION LIMITS ARE NOT AVAILABLE, HALF THE REPORTING LIMITS ARE USED FOR NON-DETECTED VALUES.
2. SCREENING CRITERIA AND SAMPLE RESULTS ARE COMPARED TO TWO SIGNIFICANT DIGITS. RESULTS EQUAL TO SCREENING CRITERIA ARE NOT HIGHLIGHTED AS EXCEEDANCES.
3. PARAMETERS THAT DO NOT APPEAR IN THE DATABOX FOR A PARTICULAR SAMPLE WERE NOT ANALYZED.
4. EXCEEDANCES FOR EACH CONSTITUENT ARE BASED ON THE RATIOS OF SITE-RELATED CONCENTRATIONS TO SCREENING CRITERIA GREATER THAN 1.0. SITE-RELATED INORGANIC CONCENTRATIONS ARE THOSE IN EXCESS OF BACKGROUND LEVELS.

Source Reference:			
Project Manager: IKR	Reviewed By: SE	Date: DECEMBER 2005	
Scale: 1"=80'	Project Nº: 12638-04	Report Nº: MEMO038	Drawin 1

12638-04(MEMO038)GN-WA013 JAN



BS-1	4/9/02 Storm Sewer Water on-site	10/13/04 Storm Sewer Water on-site
Metals		
Arsenic	ND (0.01)/ND (0.01)	0.003 J
Cadmium	ND (0.005)/ND (0.005)	0.002 J
Lead	ND (0.003)/ND (0.003)	ND (0.003)
Manganese	ND (0.015)/ND (0.015)	0.012 J
Mercury	ND (0.0002)/ND (0.0002)	ND (0.0002)

MH-5	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site
Metals		
Arsenic	10.8	ND (0.01)
Cadmium	21.9	0.001 J
Lead	411	0.003 J
Manganese	308	0.041
Mercury	0.96	ND (0.0002)

MH-4	10/10/05 Sediment on-site
Metals	
Arsenic	6.1
Cadmium	5.3
Lead	222
Manganese	343
Mercury	0.41

MH-7	4/4/02 Sediment on-site	4/4/02 Storm Sewer Water on-site	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site
Metals				
Arsenic	7	ND (0.01)	3.7	0.003 J
Cadmium	0.54 J	ND (0.005)	0.37 J	0.001 J
Lead	10.8	ND (0.003)	9.9	0.016
Manganese	619	0.011 J	391	0.056
Mercury	0.17	ND (0.0002)	ND (0.12)	0 J

MH-8	4/4/02 Sediment on-site	4/4/02 Storm Sewer Water on-site	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site
Metals				
Arsenic	6.5	ND (0.01)	17.1	ND (0.01)
Cadmium	4.1	ND (0.005)	24.2	0.002 J
Lead	37.7	ND (0.003)	6670	0.041
Manganese	596	ND (0.015)	595	0.045
Mercury	2	0.0001 J	8.9	0.001

MH-9	4/5/02 Sediment on-site	4/5/02 Storm Sewer Water on-site	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site	10/15/04 Storm Sewer Water on-site
Metals					
Arsenic	4.9 J	ND (0.01)	20	ND (0.01)	ND (0.01)
Cadmium	4.9	ND (0.005)	8.2	0.002 J	0.001 J
Lead	62.9	ND (0.005)	3140	0.057	0.005
Manganese	513 J	0.015	600	0.12	0.31
Mercury	0.63	ND (0.0002)	5.7	0.001	ND (0.0002)

MH-10	10/24/05 Sediment on-site	10/24/05 Storm Sewer Water on-site
Metals		
Arsenic	3.5/5.9	0.003
Cadmium	1.8/2.8	0.002
Lead	136/104	0.04
Manganese	343/282	0.279
Mercury	2.8/0.65	0.0003

MH-11	4/5/02 Sediment on-site	4/5/02 Storm Sewer Water on-site	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site	10/15/04 Storm Sewer Water on-site
Metals					
Arsenic	3.9	ND (0.01)	7.5	ND (0.01)	ND (0.01)
Cadmium	5	ND (0.005)	3.5	0.001 J	ND (0.005)
Lead	60.7	ND (0.003)	153	0.014	ND (0.003)
Manganese	248	ND (0.015)	396	0.034	0.015
Mercury	0.81	ND (0.0002)	1.5	0.0002 J	ND (0.0002)

MH-75	4/12/02 Storm Sewer Water on-site
Metals	
Arsenic	ND (0.01)
Cadmium	ND (0.001)
Lead	0.026
Manganese	0.029
Mercury	ND (0.0002)

BS-6	4/11/02 Storm Sewer Water on-site
Metals	
Arsenic	ND (0.01)
Cadmium	ND (0.005)
Lead	0.006
Manganese	0.16
Mercury	ND (0.0002)

BS-7	4/11/02 Oil_1 on-site	4/11/02 Storm Sewer Water on-site	10/15/04 Sediment on-site	10/15/04 Storm Sewer Water on-site
Metals				
Arsenic	ND (1)	ND (0.01)	30.3	ND (0.01)
Cadmium	20.4 J	0.078	868	0.036
Lead	9.8	0.039	670	0.005
Manganese	37.4	0.17	1300 J	0.074
Mercury	0.077 J	0.001	0.76	ND (0.0002)

MH-3	10/10/05 Sediment on-site
Metals	
Arsenic	4.4
Cadmium	6
Lead	108
Manganese	357
Mercury	0.39

MH-2	10/10/05 Sediment on-site
Metals	
Arsenic	4.4
Cadmium	6.4
Lead	80.5
Manganese	448
Mercury	0.22

BS-9	4/11/02 Sediment on-site	4/11/02 Storm Sewer Water on-site	10/15/04 Sediment on-site	10/15/04 Storm Sewer Water on-site
Metals				
Arsenic	10.3	ND (0.01)	112	0.006 J
Cadmium	9.8	ND (0.005)	50.1	0.016
Lead	723	ND (0.003)	261	0.1
Manganese	839	0.006 J	308 J	0.14
Mercury	0.32	ND (0.0002)	1.6	0.0003

MH-1	10/10/05 Sediment on-site
Metals	
Arsenic	5.7
Cadmium	5.9
Lead	145
Manganese	216
Mercury	0.56

BS-5	4/9/02 Storm Sewer Water on-site
Metals	
Arsenic	ND (0.01)
Cadmium	ND (0.005)
Lead	ND (0.003)
Manganese	ND (0.015)
Mercury	ND (0.0002)

BS-3	4/12/02 Storm Sewer Water on-site	10/13/04 Storm Sewer Water on-site
Metals		
Arsenic	ND (0.01)	ND (0.01)
Cadmium	ND (0.005)	0.002 J
Lead	ND (0.003)	ND (0.003)
Manganese	0.015	0.12
Mercury	ND (0.0002)	ND (0.0002)

MH-6	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site
Metals		
Arsenic	5.5	ND (0.01)
Cadmium	2.1	0.001 J
Lead	44.5	0.01
Manganese	329	0.066
Mercury	ND (0.12)	ND (0.0002)

Mad River Webster St Culvert	11/11/04 Sediment off-site
Metals	
Arsenic	3.9
Cadmium	ND (6.7)
Lead	63.8
Mercury	0.034

BS-2	10/13/04 Storm Sewer Water on-site
Metals	
Arsenic	0.003 J
Cadmium	ND (0.005)
Lead	ND (0.003)
Manganese	0.1
Mercury	ND (0.0002)

MH-37	10/13/04 Sediment on-site
Metals	
Arsenic	48
Cadmium	93.1
Lead	2400
Manganese	1460
Mercury	5.8

MH-38	10/20/05 Sediment on-site
Metals	
Arsenic	5.4
Cadmium	4.2
Lead	137
Manganese	304
Mercury	0.15

MH-72-INT-10	4/11/02 Sediment on-site	4/11/02 Storm Sewer Water on-site	10/15/04 Sediment on-site
Metals			
Arsenic	4.9	ND (0.01)	5.3
Cadmium	2	ND (0.005)	1.8
Lead	163	0.022	136
Manganese	391	0.079	307 J
Mercury	0.092 J	ND (0.0002)	0.079 J

MH-34	10/24/05 Sediment on-site
Metals	
Arsenic	12.5
Cadmium	3.5
Lead	217
Manganese	291
Mercury	0.95

MH-39	10/20/05 Sediment on-site
Metals	
Arsenic	7.6
Cadmium	64
Lead	792
Manganese	468
Mercury	14.7

MH-12	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site	10/15/04 Storm Sewer Water on-site
Metals			
Arsenic	19.4	0.098	ND (0.01)
Cadmium	53.4	0.56	ND (0.005)
Lead	500	5.4	0.005
Manganese	831	7.3	0.046
Mercury	14.7	0.095	ND (0.0002)

BS-4	4/12/02 Storm Sewer Water on-site
Metals	
Arsenic	ND (0.01)
Cadmium	ND (0.005)
Lead	0.011
Manganese	0.064
Mercury	ND (0.0002)

MH-17	6/27/05 Sediment on-site	10/20/05 Sediment on-site
Metals		
Arsenic	9.1	6.8
Cadmium	3.3 J	8.1
Lead	29	129
Manganese	2350	1890
Mercury	0.22	0.92

MH-35	6/27/05 Sediment on-site	10/20/05 Sediment on-site
Metals		
Arsenic	6.7	5.4
Cadmium	6.8 J	3.3
Lead	235	50.2
Manganese	2350	444
Mercury	4.9	0.25

MH-36	6/27/05 Sediment on-site	10/20/05 Sediment on-site
Metals		
Arsenic	8.2	11.2
Cadmium	16.1	9.9
Lead	339	442
Manganese	1990	1720
Mercury	2.6	-

MH-28	10/20/05 Sediment on-site
Metals	
Arsenic	13
Cadmium	78.6
Lead	910
Manganese	1250
Mercury	0.54

MH-27	10/20/05 Sediment on-site
Metals	
Arsenic	6.2
Cadmium	39.6
Lead	303
Manganese	221
Mercury	0.097

BS-8	4/11/02 Sediment on-site	4/11/02 Storm Sewer Water on-site	10/15/04 Sediment on-site	10/15/04 Storm Sewer Water on-site
Metals				
Arsenic	36.8/35.3	ND (0.01)	14.9	0.004 J
Cadmium	844/871	0.15	15.2	ND (0.005)
Lead	1170/1210	0.24	1880	ND (0.003)
Manganese	1960/1540	0.21	957 J	0.16
Mercury	1.3/1.5	0.0004	1.3	ND (0.0002)

INT-11	10/15/04 Sediment on-site	10/15/04 Storm Sewer Water on-site
Metals		
Arsenic	5.7	ND (0.01)
Cadmium	2.5	ND (0.005)
Lead	863	0.035
Manganese	241 J	0.04
Mercury	0.68	0 J

MH-69	4/11/02 Storm Sewer Water on-site	10/15/04 Sediment on-site	10/15/04 Storm Sewer Water on-site
Metals			
Arsenic	ND (0.01)	5	ND (0.01)
Cadmium	ND (0.005)	0.99	ND (0.005)
Lead	0.005	1330	ND (0.003)
Manganese	0.01 J	357 J	ND (0.015)
Mercury	ND (0.0002)	0.087 J	ND (0.0002)

MH-13	10/24/05 Sediment on-site	10/24/05 Storm Sewer Water on-site
Metals		
Arsenic	8.5	0.004/0.005
Cadmium	12.3	0.006/0.005
Lead	4370	0.107/0.14
Manganese	592	0.173/0.276
Mercury	44.2	0.002/0.002

INT-5	4/8/02 Storm Sewer Water on-site	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site
Metals			
Arsenic	ND (0.01)	5.4	ND (0.01)
Cadmium	ND (0.005)	17.2	0.001 J
Lead	0.005	502	0.006
Manganese	ND (0.015)	93.2	0.014 J
Mercury	ND (0.0002)	0.11 J	ND (0.0002)

INT-8	4/11/02 Sediment on-site	4/11/02 Storm Sewer Water on-site	10/15/04 Sediment on-site	10/15/04 Storm Sewer Water on-site
Metals				
Arsenic	13	0.005 J	17.7/25.2	0.004 J/0.005 J
Cadmium	6.1	ND (0.005)	14.4/35.9	ND (0.005)/ND (0.005)
Lead	183	ND (0.003)	934/1370	0.005/0.003 J
Manganese	360	0.037	181 J/326 J	0.031/0.026
Mercury	0.72	ND (0.0002)	0.92/8.8	ND (0.0002)/ND (0.0002)

MH-26-INT-6	4/8/02 Sediment on-site	4/8/02 Storm Sewer Water on-site	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site
Metals				
Arsenic	8.3	ND (0.01)	6	ND (0.01)
Cadmium	6	ND (0.005)	2.7	0.001 J
Lead	343	ND (0.003)	202	0.002 J
Manganese	280	ND (0.015)	315	0.041
Mercury	0.63	ND (0.0002)	0.37	ND (0.0002)

MH-14	4/5/02 Sediment on-site	4/5/02 Storm Sewer Water on-site	10/13/04 Storm Sewer Water on-site
Metals			
Arsenic	16.5 J	ND (0.01)	ND (0.01)
Cadmium	8	ND (0.005)	0.002 J
Lead	482	ND (0.004)	0.013
Manganese	2390 J	0.013 J	0.087
Mercury	6.5	ND (0.0002)	0.0001 J

MH-18	4/5/02 Sediment on-site	4/5/02 Storm Sewer Water on-site	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site
Metals				
Arsenic	9.9 J	ND (0.01)	6.7/10.6	ND (0.01)/ND (0.01)
Cadmium	5.9	ND (0.005)	7.1/8.4	0.002 J/0.002 J
Lead	210	0.009	124/368	0.02/0.023
Manganese	2270 J	0.052	1020/649	0.15/0.13
Mercury	16.9	ND (0.0002)	23.9/18.8	0.002/0.001

MH-19	4/8/02 Sediment on-site	4/8/02 Storm Sewer Water on-site	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site
Metals				
Arsenic	10.1	ND (0.01)	9.4	ND (0.01)
Cadmium	8	ND (0.005)	13.6	0.001 J
Lead	710	0.006	176	0.018
Manganese	1530	0.015	961	0.023
Mercury	5	ND (0.0002)	2.5	0.001

MH-25	4/8/02 Storm Sewer Water on-site	10/13/04 Sediment on-site	10/13/04 Storm Sewer Water on-site
Metals			
Arsenic	ND (0.01)	13.2	0.008 J
Cadmium	ND (0.005)	13.4	0.008
Lead	ND (0.003)	1260	0.2
Manganese	ND (0.015)	693	0.91
Mercury	ND (0.0002)	22.8	0.006

MH-16	10/13/04 Sediment on-site
Metals	
Arsenic	24.1
Cadmium	62.5
Lead	1930
Manganese	1510
Mercury	12.4

MH-15	10/13/04 Sediment on-site
Metals	
Arsenic	18.8
Cadmium	30.7
Lead	916
Manganese	1460
Mercury	1.9

0 40 80ft

LEGEND

- BUILDING WALL
- BUILDING BOUNDARY
- FORMER BUILDING WALL
- SHORELINE
- RAILROAD
- SOIL PRESENTATION AREA BOUNDARY
- SOIL BORING LOCATION
- MONITORING WELL LOCATION
- WIPE/CONCRETE CORE SAMPLE LOCATION
- OZONE SPARGE WELL LOCATION
- X O INJECTION BORING FOR HRC BARRIER
- BS-8 O BASEMENT SUMP LOCATION
- MH O PROCESS SEWER MANHOLE LOCATION
- MH O STORM SEWER MANHOLE LOCATION
- INT-1 STORM SEWER INTERCEPTOR LOCATION
- PR PROCESS SEWER LINE
- STM STORM SEWER LINE

AOI 1 - SOLVENT RELEASE AREA
AOI 2 - STILL ROOM
AOI 3 - WASTE TANKS
AOI 4 - HAZARDOUS WASTE STAGING AND STORING AREAS
AOI 5 - ELECTROPLATING
AOI 6 - SPILL INTERCEPTORS
AOI 7 - SOLVENT STORAGE TANK
AOI 8 - DEGREASING UNITS:
● STODDARD SOLVENT
■ TCE/PCE/TCA SOLVENT
▲ FREON SOLVENT
** ON UPPER FLOOR
AOI 9 - SATELLITE CLEANING AREA (VARIOUS LOCATIONS THROUGHOUT SITE)
AOI 10 - PAINT WASTE ACCUMULATION AREAS
AOI 11 - CHIP HANDLING AREAS
AOI 12 - CUTTING OIL UST'S
AOI 13 - OIL HOUSE
AOI 14 - HYDRAULIC OIL AND COOLANT UST'S
AOI 15 - HYDRAULIC OIL UST
AOI 16 - FUEL UST'S
AOI 17 - REFRIGERANT UST'S
AOI 18 - STORM SEWERS (VARIOUS LOCATIONS THROUGHOUT SITE)
AOI 19 - PROCESS SEWERS (VARIOUS LOCATIONS THROUGHOUT SITE)
AOI 20 - PCB RELEASES FROM ELECTRICAL EQUIPMENT
AOI 21 - HYDROMATION PIT
AOI 22 - INCINERATOR
AOI 23 - UST'S AND FORMER STILL
AOI 24 - FORMER MACHINE GUN TESTING AREA
AOI 25 - HYDROCHLORIC ACID SPILLS
AOI 26 - PCB RELEASES FORM PROCESS EQUIPMENT:
* PROCESS DUCT
△ No.2 VAILL MACHINE
□ TOOL GRIND ROOM
○ GEAR BOX
AOI 27 - BATTERY CHARGING STATION (A SECOND STATION MAY HAVE BEEN LOCATED IN BLDG. 5)
AOI 28 - FORMER MIAMI CANAL EXTENSION
AOI 29 - BUILDING 12 STILL
AOI 30 - EXPERIMENTAL AIR CONDITIONING
AOI 31 - BUILDING 1 SPRAY BOOTHS
AOI 32 - BUILDING 3 TRANSFORMER (GROUND LEVEL)
AOI 33 - PAINT AND ENAMEL STORAGE
AOI 34 - PARTS GRINDING
AOI 35 - STORAGE TANKS

BS-4	4/12/2002 Storm Sewer Water on-site
VOAs	
1,1-Dichloroethene	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.002)
1,2-Dibromoethane (Ethylene Dibromide)	ND (0.001)
Benzene	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.001)
Carbon tetrachloride	ND (0.001)
Chloroform (Trichloromethane)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.001)
Isopropylbenzene	ND (0.001)
Methylene chloride	ND (0.001)
Tetrachloroethene	0.003
Trichloroethene	0.001 J
Vinyl chloride	ND (0.001)

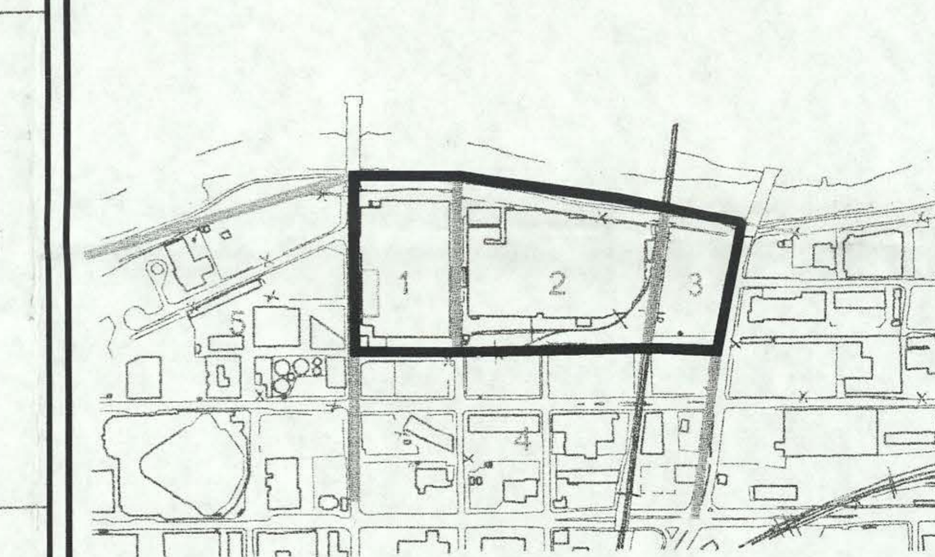
SAMPLE LOCATION
SAMPLE DATE
SAMPLE MATRIX
ON-SITE/OFF-SITE INDICATOR
CONCENTRATION (mg/kg - SEDIMENT, mg/L - WA
PARAMETER
0.006 J (H) EXCEEDS CRITERIA

STORM SEWER SEDIMENT Chemical Name	D	E	F
VOCs			
1,1-Dichloroethene	4.13E+02	1.20E+02	2.40E+01
Benzene	1.41E+01	3.46E+00	1.15E+01
cis-1,2-Dichloroethene	1.46E+02	3.63E+01	7.25E+01
Methylene chloride	2.05E+02	5.25E+01	2.63E+02
Tetrachloroethene	1.31E+01	8.51E+00	4.26E+01
Trichloroethene	6.12E+01	1.88E+01	9.40E+01
Vinyl chloride	7.46E+00	1.49E+00	7.49E+00
SVOCs			
Benzo(a)anthracene	2.11E+01	2.81E+01	3.21E+02
Benzo(a)pyrene	2.11E+00	2.86E+00	3.35E+01
Benzo(b)fluoranthene	2.11E+01	2.72E+01	3.00E+02
bis(2-Ethylhexyl)phthalate	1.23E+03	1.76E+03	7.66E+03
Dibenz(a,h)anthracene	2.11E+00	2.88E+00	3.42E+01
PCBs			
Total PCBs	7.44E+00	7.28E+00	1.75E+01
Metals			
Arsenic	1.59E+01	2.73E+01	2.08E+02
Cadmium	4.51E+02	1.33E+03	4.44E+02
Lead	8.00E+02	7.49E+02	-
Manganese	1.95E+04	6.84E+04	1.43E+03
Mercury	1.38E+01	2.98E+01	6.01E+00

STORM SEWER WATER Chemical Name	A	B (On Site)	B (Off Site)	C
VOCs				
1,1-Dichloroethene	7.00E-03	2.44E+02	2.42E+02	1.25E+02
Benzene	5.00E-03	6.41E+00	6.19E+00	4.88E+00
cis-1,2-Dichloroethene	7.00E-02	6.38E+01	6.09E+01	2.29E+01
Methylene chloride	5.00E-03	1.27E+02	1.18E+02	8.94E+01
Tetrachloroethene	5.00E-03	1.49E+01	1.47E+01	1.41E+01
Trichloroethene	5.00E-03	2.73E+01	2.67E+01	2.68E+01
Vinyl chloride	2.00E-03	3.29E+00	3.25E+00	2.02E+00
SVOCs				
Benzo(a)anthracene	1.17E-03	1.43E+02	1.10E+02	6.17E-02
Benzo(a)pyrene	2.00E-04	4.20E+01	3.24E+01	4.35E-03
Benzo(b)fluoranthene	1.17E-03	7.70E+00	6.72E+00	3.71E-02
bis(2-Ethylhexyl)phthalate	6.00E-03	1.00E+05	7.69E+04	1.62E+00
Dibenz(a,h)anthracene	1.17E-04	2.81E+03	2.08E+03	2.78E-03
PCBs				
Total PCBs	5.00E-04	2.52E-01	2.43E-01	9.35E-03
Metals				
Arsenic	1.00E-02	-	-	1.44E+01
Cadmium	5.00E-03	-	-	1.80E+01
Lead	1.50E-02	-	-	7.40E+01
Manganese	5.11E+00	-	-	5.96E+03
Mercury	2.00E-03	8.33E-01	8.19E-01	2.86E-01

A Drinking Water (DW)
B Onsite / Offsite Routine Worker (RW) Risk-Based GW Volatilization to Indoor Air
C Risk-Based Routine Construction Worker (Const) GW Contact Criteria
D R9 Industrial (Ind) PRG E-5
E Routine Worker (RW) Risk-Based Soil Volatilization to Indoor Air
F Risk-Based Redevelopment Worker (RDVLP) Soil Contact Criteria

DRAFT



KEY PLAN

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

NOTES:
1. TOTAL PCBs WERE SUMMED BY ADDING THE POSITIVE DETECTIONS PLUS HALF THE QUANTITATION LIMITS FOR NON-DETECT RESULTS OF AROCLORS DETECTED ELSEWHERE AT THE SITE. IF QUANTITATION LIMITS ARE NOT AVAILABLE, HALF THE REPORTING LIMITS ARE USED FOR NON-DETECTED VALUES.
2. SCREENING CRITERIA AND SAMPLE RESULTS ARE COMPARED TO TWO SIGNIFICANT DIGITS. RESULTS EQUAL TO SCREENING CRITERIA ARE NOT HIGHLIGHTED AS EXCEEDANCES.
3. PARAMETERS THAT DO NOT APPEAR IN THE DATABOX FOR A PARTICULAR SAMPLE WERE NOT ANALYZED.
4. EXCEEDANCES FOR EACH CONSTITUENT ARE BASED ON THE RATIOS OF SITE-RELATED CONCENTRATIONS TO SCREENING CRITERIA GREATER THAN 1.0. SITE-RELATED INORGANIC CONCENTRATIONS ARE THOSE IN EXCESS OF BACKGROUND LEVELS.

FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY

Dayton, Ohio

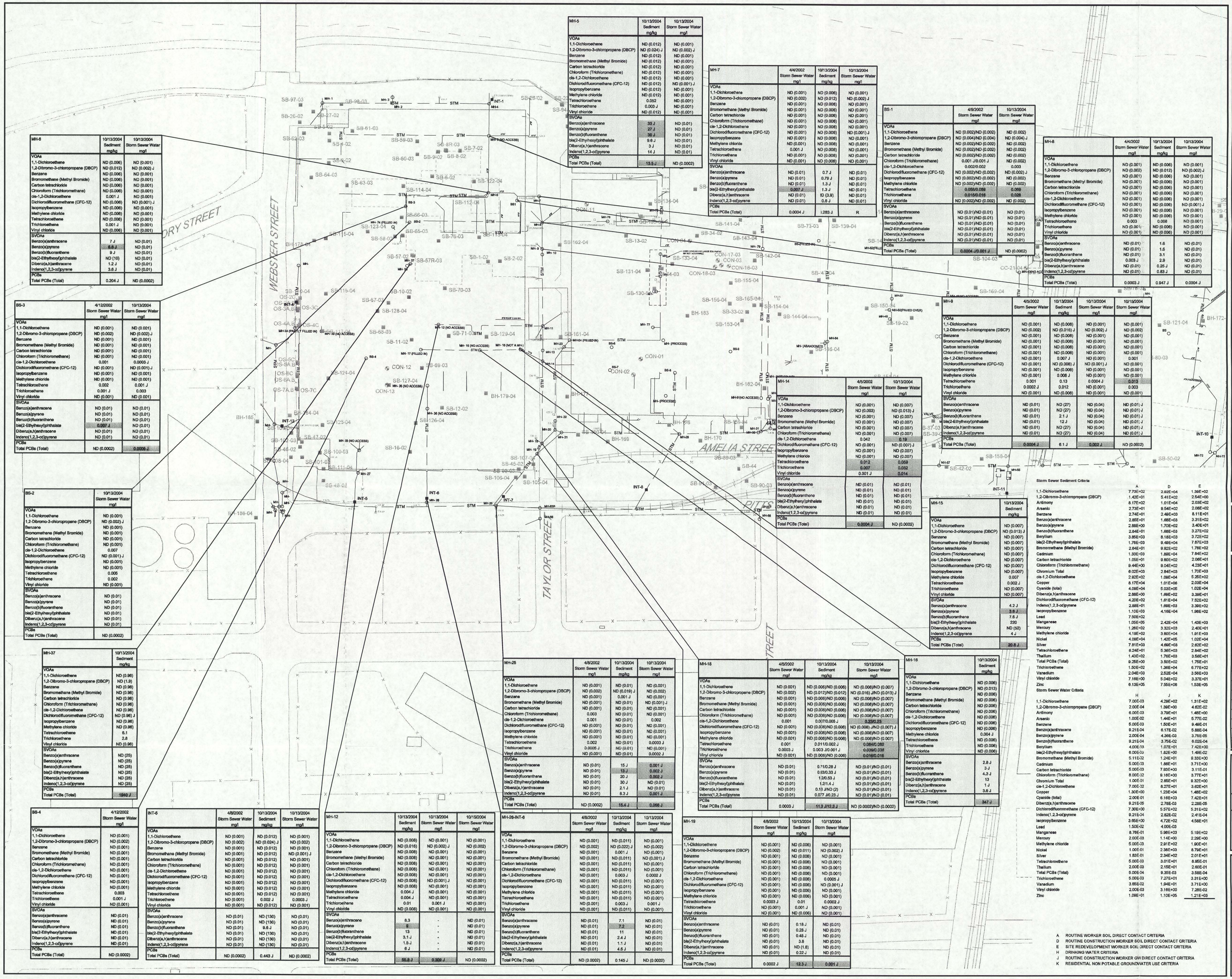
STORMWATER, SEDIMENT, AND OIL ANALYTICAL DATA - INORGANICS - SITE W

CONESTOGA-ROVERS & ASSOCIA

Source Reference:

Project Manager:	Reviewed By:	Date:	
IKR	SE	DECEMBER 2005	
Scale: 1"=80'	Project Nº: 12638-04	Report Nº: MEMO038	Drawi

12638-04(MEMO038)GN-WA013 JA



MH-6	10/13/2004 Sediment mg/kg	10/13/2004 Storm Sewer Water mg/l
VOAs		
1,1-Dichloroethene	ND (0.006)	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.012)	ND (0.002) J
Benzene	ND (0.006)	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.006)	ND (0.001)
Carbon tetrachloride	ND (0.006)	ND (0.001)
Chloroform (Trichloromethane)	ND (0.006)	ND (0.001)
cis-1,2-Dichloroethene	0.001 J	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.006)	ND (0.001) J
Isopropylbenzene	ND (0.006)	ND (0.001)
Methylene chloride	ND (0.006)	ND (0.001)
Tetrachloroethene	ND (0.006)	ND (0.001)
Trichloroethene	0.001 J	ND (0.001)
Vinyl chloride	ND (0.006)	ND (0.001)
SVOAs		
Benzo(a)anthracene	7 J	ND (0.01)
Benzo(a)pyrene	6.8 J	ND (0.01)
Benzo(b)fluoranthene	9 J	ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (10)	ND (0.01)
Dibenz(a,h)anthracene	1.2 J	ND (0.01)
Indeno(1,2,3-cd)pyrene	3.6 J	ND (0.01)
PCBs		
Total PCBs (Total)	0.204 J	ND (0.0002)

MH-5	10/13/2004 Sediment mg/kg	10/13/2004 Storm Sewer Water mg/l
VOAs		
1,1-Dichloroethene	ND (0.012)	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.024) J	ND (0.002) J
Benzene	ND (0.012)	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.012)	ND (0.001)
Carbon tetrachloride	ND (0.012)	ND (0.001)
Chloroform (Trichloromethane)	ND (0.012)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.012)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.012)	ND (0.001) J
Isopropylbenzene	ND (0.012)	ND (0.001)
Methylene chloride	ND (0.012)	ND (0.001)
Tetrachloroethene	0.052	ND (0.001)
Trichloroethene	0.003 J	ND (0.001)
Vinyl chloride	ND (0.012)	ND (0.001)
SVOAs		
Benzo(a)anthracene	33 J	ND (0.01)
Benzo(a)pyrene	27 J	ND (0.01)
Benzo(b)fluoranthene	39 J	ND (0.01)
bis(2-Ethylhexyl)phthalate	9.6 J	ND (0.01)
Dibenz(a,h)anthracene	3 J	ND (0.01)
Indeno(1,2,3-cd)pyrene	14 J	ND (0.01)
PCBs		
Total PCBs (Total)	13.5 J	ND (0.0002)

MH-7	4/4/2002 Storm Sewer Water mg/l	10/13/2004 Sediment mg/kg	10/13/2004 Storm Sewer Water mg/l
VOAs			
1,1-Dichloroethene	ND (0.001)	ND (0.006)	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.002)	ND (0.012)	ND (0.002) J
Benzene	ND (0.001)	ND (0.006)	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.001)	ND (0.006)	ND (0.001)
Carbon tetrachloride	ND (0.001)	ND (0.006)	ND (0.001)
Chloroform (Trichloromethane)	ND (0.001)	ND (0.006)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.001)	ND (0.006)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.006)	ND (0.001) J
Isopropylbenzene	ND (0.001)	ND (0.006)	ND (0.001)
Methylene chloride	ND (0.001)	ND (0.006)	ND (0.001)
Tetrachloroethene	0.001 J	ND (0.006)	ND (0.001)
Trichloroethene	ND (0.001)	ND (0.006)	ND (0.001)
Vinyl chloride	ND (0.001)	ND (0.006)	ND (0.001)
SVOAs			
Benzo(a)anthracene	ND (0.01)	0.7 J	ND (0.01)
Benzo(a)pyrene	ND (0.01)	0.79 J	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)	1.3 J	ND (0.01)
bis(2-Ethylhexyl)phthalate	0.007 J	1.3 J	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)	ND (3.9)	ND (0.01)
Indeno(1,2,3-cd)pyrene	ND (0.01)	0.6 J	ND (0.01)
PCBs			
Total PCBs (Total)	0.0004 J	0.283 J	R

BS-1	4/9/2002 Storm Sewer Water mg/l	10/13/2004 Storm Sewer Water mg/l
VOAs		
1,1-Dichloroethene	ND (0.002)/ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.004)/ND (0.004)	ND (0.004) J
Benzene	ND (0.002)/ND (0.002)	ND (0.002)
Bromomethane (Methyl Bromide)	ND (0.002)/ND (0.002)	ND (0.002)
Carbon tetrachloride	ND (0.002)/ND (0.002)	ND (0.002)
Chloroform (Trichloromethane)	0.001 J/0.001 J	ND (0.002)
cis-1,2-Dichloroethene	0.002/0.002	0.003
Dichlorodifluoromethane (CFC-12)	ND (0.002)/ND (0.002)	ND (0.002) J
Isopropylbenzene	ND (0.002)/ND (0.002)	ND (0.002)
Methylene chloride	ND (0.002)/ND (0.002)	ND (0.002)
Tetrachloroethene	0.058/0.059	0.069
Trichloroethene	0.016/0.016	0.028
Vinyl chloride	ND (0.002)/ND (0.002)	ND (0.002)
SVOAs		
Benzo(a)anthracene	ND (0.01)/ND (0.01)	ND (0.01)
Benzo(a)pyrene	ND (0.01)/ND (0.01)	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)/ND (0.01)	ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (0.01)/ND (0.01)	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)/ND (0.01)	ND (0.01)
Indeno(1,2,3-cd)pyrene	ND (0.01)/ND (0.01)	ND (0.01)
PCBs		
Total PCBs (Total)	0.0004 J/0.001 J	ND (0.0002)

MH-8	4/4/2002 Storm Sewer Water mg/l	10/13/2004 Sediment mg/kg	10/13/2004 Storm Sewer Water mg/l
VOAs			
1,1-Dichloroethene	ND (0.001)	ND (0.006)	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.002)	ND (0.012)	ND (0.002) J
Benzene	ND (0.001)	ND (0.006)	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.001)	ND (0.006)	ND (0.001)
Carbon tetrachloride	ND (0.001)	ND (0.006)	ND (0.001)
Chloroform (Trichloromethane)	ND (0.001)	ND (0.006)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.001)	ND (0.006)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.006)	ND (0.001) J
Isopropylbenzene	ND (0.001)	ND (0.006)	ND (0.001)
Methylene chloride	ND (0.001)	ND (0.006)	ND (0.001)
Tetrachloroethene	0.003	0.008	ND (0.001)
Trichloroethene	ND (0.001)	ND (0.006)	ND (0.001)
Vinyl chloride	ND (0.001)	ND (0.006)	ND (0.001)
SVOAs			
Benzo(a)anthracene	ND (0.01)	1.6	ND (0.01)
Benzo(a)pyrene	ND (0.01)	1.6	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)	3.1	ND (0.01)
bis(2-Ethylhexyl)phthalate	0.003 J	2.9	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)	0.25 J	ND (0.01)
Indeno(1,2,3-cd)pyrene	ND (0.01)	0.83 J	ND (0.01)
PCBs			
Total PCBs (Total)	0.0003 J	0.947 J	0.0004 J

BS-3	4/12/2002 Storm Sewer Water mg/l	10/13/2004 Storm Sewer Water mg/l
VOAs		
1,1-Dichloroethene	ND (0.001)	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.002)	ND (0.002) J
Benzene	ND (0.001)	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.001)	ND (0.001)
Carbon tetrachloride	ND (0.001)	ND (0.001)
Chloroform (Trichloromethane)	ND (0.001)	ND (0.001)
cis-1,2-Dichloroethene	0.001	0.0003 J
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.001) J
Isopropylbenzene	ND (0.001)	ND (0.001)
Methylene chloride	ND (0.001)	ND (0.001)
Tetrachloroethene	0.002	0.001 J
Trichloroethene	0.001 J	0.003
Vinyl chloride	ND (0.001)	ND (0.001)
SVOAs		
Benzo(a)anthracene	ND (0.01)	ND (0.01)
Benzo(a)pyrene	ND (0.01)	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)	ND (0.01)
bis(2-Ethylhexyl)phthalate	0.007 J	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)	ND (0.01)
Indeno(1,2,3-cd)pyrene	ND (0.01)	ND (0.01)
PCBs		
Total PCBs (Total)	ND (0.0002)	0.0005 J

MH-9	4/5/2002 Storm Sewer Water mg/l	10/13/2004 Sediment mg/kg	10/13/2004 Storm Sewer Water mg/l	10/15/2004 Storm Sewer Water mg/l
VOAs				
1,1-Dichloroethene	ND (0.001)	ND (0.008)	ND (0.001)	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.002)	ND (0.016) J	ND (0.002) J	ND (0.002)
Benzene	ND (0.001)	ND (0.008)	ND (0.001)	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.001)	ND (0.008)	ND (0.001)	ND (0.001)
Carbon tetrachloride	ND (0.001)	ND (0.008)	ND (0.001)	ND (0.001)
Chloroform (Trichloromethane)	ND (0.001)	ND (0.008)	ND (0.001)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.001)	0.007 J	ND (0.001)	0.001
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.008) J	ND (0.001) J	ND (0.001)
Isopropylbenzene	ND (0.001)	ND (0.008)	ND (0.001)	ND (0.001)
Methylene chloride	ND (0.001)	0.006 J	ND (0.001)	ND (0.001)
Tetrachloroethene	0.001	0.13	0.0004 J	0.013
Trichloroethene	0.0002 J	0.012	ND (0.001)	0.003
Vinyl chloride	ND (0.001)	ND (0.008)	ND (0.001)	ND (0.001)
SVOAs				
Benzo(a)anthracene	ND (0.01)	ND (27)	ND (0.04)	ND (0.01) J
Benzo(a)pyrene	ND (0.01)	ND (27)	ND (0.04)	ND (0.01) J
Benzo(b)fluoranthene	ND (0.01)	2.1 J	ND (0.04)	ND (0.01) J
bis(2-Ethylhexyl)phthalate	ND (0.01)	12 J	ND (0.04)	ND (0.01) J
Dibenz(a,h)anthracene	ND (0.01)	ND (27)	ND (0.04)	ND (0.01) J
Indeno(1,2,3-cd)pyrene	ND (0.01)	ND (27)	ND (0.04)	ND (0.01) J
PCBs				
Total PCBs (Total)	0.0004 J	6.1 J	0.002 J	ND (0.0002)

MH-14	4/5/2002 Storm Sewer Water mg/l	10/13/2004 Storm Sewer Water mg/l
VOAs		
1,1-Dichloroethene	ND (0.001)	ND (0.007)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.003)	ND (0.013) J
Benzene	ND (0.001)	ND (0.007)
Bromomethane (Methyl Bromide)	ND (0.001)	ND (0.007)
Carbon tetrachloride	ND (0.001)	ND (0.007)
Chloroform (Trichloromethane)	ND (0.001)	ND (0.007)
cis-1,2-Dichloroethene	0.042	0.19
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.007) J
Isopropylbenzene	ND (0.001)	ND (0.007)
Methylene chloride	ND (0.001)	ND (0.007)
Tetrachloroethene	0.012	0.059
Trichloroethene	0.007	0.032
Vinyl chloride	0.001 J	0.014
SVOAs		
Benzo(a)anthracene	ND (0.01)	ND (0.01)
Benzo(a)pyrene	ND (0.01)	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)	ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (0.01)	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)	ND (0.01)
Indeno(1,2,3-cd)pyrene	ND (0.01)	ND (0.01)
PCBs		
Total PCBs (Total)	0.0004 J	ND (0.0002)

MH-15	10/13/2004 Sediment mg/kg
VOAs	
1,1-Dichloroethene	ND (0.007)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.013) J
Benzene	ND (0.007)
Bromomethane (Methyl Bromide)	ND (0.007)
Carbon tetrachloride	ND (0.007)
Chloroform (Trichloromethane)	ND (0.007)
cis-1,2-Dichloroethene	ND (0.007)
Dichlorodifluoromethane (CFC-12)	ND (0.007)
Isopropylbenzene	ND (0.007)
Methylene chloride	0.007
Tetrachloroethene	0.002 J
Trichloroethene	ND (0.007)
Vinyl chloride	ND (0.007)
SVOAs	
Benzo(a)anthracene	4.2 J
Benzo(a)pyrene	3.8 J
Benzo(b)fluoranthene	7.6 J
bis(2-Ethylhexyl)phthalate	220
Dibenz(a,h)anthracene	ND (52)
Indeno(1,2,3-cd)pyrene	4 J
PCBs	
Total PCBs (Total)	20.8 J

BS-2	10/13/2004 Storm Sewer Water mg/l
VOAs	
1,1-Dichloroethene	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.002) J
Benzene	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.001)
Carbon tetrachloride	ND (0.001)
Chloroform (Trichloromethane)	ND (0.001)
cis-1,2-Dichloroethene	0.007
Dichlorodifluoromethane (CFC-12)	ND (0.001) J
Isopropylbenzene	ND (0.001)
Methylene chloride	ND (0.001)
Tetrachloroethene	0.005
Trichloroethene	0.002
Vinyl chloride	ND (0.001)
SVOAs	
Benzo(a)anthracene	ND (0.01)
Benzo(a)pyrene	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)
Indeno(1,2,3-cd)pyrene	ND (0.01)
PCBs	
Total PCBs (Total)	ND (0.0002)

MH-37	10/13/2004 Sediment mg/kg
VOAs	
1,1-Dichloroethene	ND (0.96)
1,2-Dibromo-3-chloropropane (DBCP)	ND (1.9)
Benzene	ND (0.96)
Bromomethane (Methyl Bromide)	ND (0.96)
Carbon tetrachloride	ND (0.96)
Chloroform (Trichloromethane)	ND (0.96)
cis-1,2-Dichloroethene	ND (0.96)
Dichlorodifluoromethane (CFC-12)	ND (0.96) J
Isopropylbenzene	ND (0.96)
Methylene chloride	ND (0.96)
Tetrachloroethene	6.1
Trichloroethene	2.8
Vinyl chloride	ND (0.96)
SVOAs	
Benzo(a)anthracene	ND (25)
Benzo(a)pyrene	ND (25)
Benzo(b)fluoranthene	ND (25)
bis(2-Ethylhexyl)phthalate	ND (25)
Dibenz(a,h)anthracene	ND (25)
Indeno(1,2,3-cd)pyrene	ND (25)
PCBs	
Total PCBs (Total)	1940 J

MH-25	4/8/2002 Storm Sewer Water mg/l	10/13/2004 Sediment mg/kg	10/13/2004 Storm Sewer Water mg/l
VOAs			
1,1-Dichloroethene	ND (0.001)	ND (0.01)	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.002)	ND (0.019) J	ND (0.002)
Benzene	ND (0.001)	0.001 J	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.001)	ND (0.01)	ND (0.001) J
Carbon tetrachloride	ND (0.001)	ND (0.01)	ND (0.001)
Chloroform (Trichloromethane)	0.003	ND (0.01)	ND (0.001)
cis-1,2-Dichloroethene	0.001	ND (0.01)	0.002
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.01)	ND (0.001)
Isopropylbenzene	ND (0.001)	ND (0.01)	ND (0.001)
Methylene chloride	ND (0.001)	ND (0.01)	ND (0.001)
Tetrachloroethene	0.002	ND (0.01)	0.0003 J
Trichloroethene	0.0005 J	ND (0.01)	ND (0.001)
Vinyl chloride	ND (0.001)	ND (0.01)	0.0002 J
SVOAs			
Benzo(a)anthracene	ND (0.01)	15 J	0.001 J
Benzo(a)pyrene	ND (0.01)	13 J	0.002 J
Benzo(b)fluoranthene	ND (0.01)	20 J	0.002 J
bis(2-Ethylhexyl)phthalate	ND (0.01)	30 J	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)	2.1 J	ND (0.01)
Indeno(1,2,3-cd)pyrene	ND (0.01)	8.3 J	0.001 J
PCBs			
Total PCBs (Total)	ND (0.0002)	15.4 J	0.056 J

MH-18	4/5/2002 Storm Sewer Water mg/l	10/13/2004 Sediment mg/kg	10/13/2004 Storm Sewer Water mg/l
VOAs			
1,1-Dichloroethene	ND (0.001)	ND (0.006)/ND (0.006)	ND (0.008)/ND (0.007)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.002)	ND (0.012)/ND (0.012)	ND (0.016) J/ND (0.013) J
Benzene	ND (0.001)	ND (0.006)/ND (0.006)	ND (0.008)/ND (0.007)
Bromomethane (Methyl Bromide)	ND (0.001)	ND (0.006)/ND (0.006)	ND (0.008)/ND (0.007)
Carbon tetrachloride	ND (0.001)	ND (0.006)/ND (0.006)	ND (0.008)/ND (0.007)
Chloroform (Trichloromethane)	ND (0.001)	ND (0.006)/ND (0.006)	ND (0.008)/ND (0.007)
cis-1,2-Dichloroethene	0.001	0.007/0.005 J	0.23/0.23
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.006)/ND (0.006)	ND (0.008) J/ND (0.007) J
Isopropylbenzene	ND (0.001)	ND (0.006)/ND (0.006)	ND (0.008)/ND (0.007)
Methylene chloride	ND (0.001)	ND (0.006)/ND (0.006)	ND (0.008)/ND (0.007)
Tetrachloroethene	0.001	0.011/0.002 J	0.064/0.062
Trichloroethene	0.0003 J	0.003 J/0.001 J	0.039/0.038
Vinyl chloride	ND (0.001)	ND (0.006)/ND (0.006)	0.016/0.016
SVOAs			
Benzo(a)anthracene	ND (0.01)	0.71/0.28 J	ND (0.01)/ND (0.01)
Benzo(a)pyrene	ND (0.01)	0.63/0.33 J	ND (0.01)/ND (0.01)
Benzo(b)fluoranthene	ND (0.01)	1.2/0.53 J	ND (0.01)/ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (0.01)	1.2/1.4 J	ND (0.01)/ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)	0.13 J/ND (2)	ND (0.01)/ND (0.01)
Indeno(1,2,3-cd)pyrene	ND (0.01)	0.077 J/0.23 J	ND (0.01)/ND (0.01)
PCBs			
Total PCBs (Total)	0.0003 J	11.3 J/12.3 J	ND (0.0002)/ND (0.0002)

MH-16	10/13/2004 Sediment mg/kg
VOAs	
1,1-Dichloroethene	ND (0.006)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.013)
Benzene	ND (0.006)
Bromomethane (Methyl Bromide)	ND (0.006)
Carbon tetrachloride	ND (0.006)
Chloroform (Trichloromethane)	ND (0.006)
cis-1,2-Dichloroethene	ND (0.006)
Dichlorodifluoromethane (CFC-12)	ND (0.006)
Isopropylbenzene	ND (0.006)
Methylene chloride	0.004 J
Tetrachloroethene	ND (0.006)
Trichloroethene	ND (0.006)
Vinyl chloride	ND (0.006)
SVOAs	
Benzo(a)anthracene	2.8 J
Benzo(a)pyrene	3 J
Benzo(b)fluoranthene	4.3 J
bis(2-Ethylhexyl)phthalate	13
Dibenz(a,h)anthracene	1 J
Indeno(1,2,3-cd)pyrene	3.6 J
PCBs	
Total PCBs (Total)	347 J

BS-4	4/12/2002 Storm Sewer Water mg/l
VOAs	
1,1-Dichloroethene	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.002)
Benzene	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.001)
Carbon tetrachloride	ND (0.001)
Chloroform (Trichloromethane)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.001)
Isopropylbenzene	ND (0.001)
Methylene chloride	ND (0.001)
Tetrachloroethene	0.003
Trichloroethene	0.001 J
Vinyl chloride	ND (0.001)
SVOAs	
Benzo(a)anthracene	ND (0.01)
Benzo(a)pyrene	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)
Indeno(1,2,3-cd)pyrene	ND (0.01)
PCBs	
Total PCBs (Total)	ND (0.0002)

INT-5	4/8/2002 Storm Sewer Water mg/l	10/13/2004 Sediment mg/kg	10/13/2004 Storm Sewer Water mg/l
VOAs			
1,1-Dichloroethene	ND (0.001)	ND (0.012)	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.002)	ND (0.024) J	ND (0.002)
Benzene	ND (0.001)	ND (0.012)	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.001)	ND (0.012)	ND (0.001) J
Carbon tetrachloride	ND (0.001)	ND (0.012)	ND (0.001)
Chloroform (Trichloromethane)	ND (0.001)	ND (0.012)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.001)	ND (0.012)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.012)	ND (0.001)
Isopropylbenzene	ND (0.001)	ND (0.012)	ND (0.001)
Methylene chloride	ND (0.001)	ND (0.012)	ND (0.001)
Tetrachloroethene	ND (0.001)	ND (0.012)	ND (0.001)
Trichloroethene	ND (0.001)	0.002 J	0.0003 J
Vinyl chloride	ND (0.001)	ND (0.012)	ND (0.001)
SVOAs			
Benzo(a)anthracene	ND (0.01)	ND (130)	ND (0.01)
Benzo(a)pyrene	ND (0.01)	ND (130)	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)	9.6 J	ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (0.01)	ND (130)	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)	ND (130)	ND (0.01)
Indeno(1,2,3-cd)pyrene	ND (0.01)	ND (130)	ND (0.01)
PCBs			
Total PCBs (Total)	ND (0.0002)	0.443 J	ND (0.0002)

MH-12	10/13/2004 Sediment mg/kg	10/13/2004 Storm Sewer Water mg/l	10/15/2004 Storm Sewer Water mg/l
VOAs			
1,1-Dichloroethene	ND (0.008)	ND (0.001)	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.016)	ND (0.002) J	ND (0.002)
Benzene	ND (0.008)	ND (0.001)	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.008)	ND (0.001)	ND (0.001)
Carbon tetrachloride	ND (0.008)	ND (0.001)	ND (0.001)
Chloroform (Trichloromethane)	ND (0.008)	ND (0.001)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.008)	ND (0.001)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.008)	ND (0.001) J	ND (0.001)
Isopropylbenzene	ND (0.008)	ND (0.001)	ND (0.001)
Methylene chloride	0.004 J	ND (0.001)	ND (0.001)
Tetrachloroethene	0.004 J	ND (0.001)	ND (0.001)
Trichloroethene	0.01	0.001 J	ND (0.001)
Vinyl chloride	ND (0.008)	ND (0.001)	ND (0.001)
SVOAs			
Benzo(a)anthracene	8.3	-	ND (0.01)
Benzo(a)pyrene	9	-	ND (0.01)
Benzo(b)fluoranthene	13	-	ND (0.01)
bis(2-Ethylhexyl)phthalate	3.1 J	-	ND (0.01)
Dibenz(a,h)anthracene	1.5 J	-	ND (0.01)
Indeno(1,2,3-cd)pyrene	6 J	-	ND (0.01)
PCBs			
Total PCBs (Total)	55.8 J	0.309 J	ND (0.0002)

MH-26-INT-6	4/8/2002 Storm Sewer Water mg/l	10/13/2004 Sediment mg/kg	10/13/2004 Storm Sewer Water mg/l
VOAs			
1,1-Dichloroethene	ND (0.001)	ND (0.011)	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.002)	ND (0.022) J	ND (0.002)
Benzene	ND (0.001)	0.001 J	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.001)	ND (0.011)	ND (0.001) J
Carbon tetrachloride	ND (0.001)	ND (0.011)	ND (0.001)
Chloroform (Trichloromethane)	ND (0.001)	ND (0.011)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.001)	0.003 J	0.0002 J
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.011)	ND (0.001)
Isopropylbenzene	ND (0.001)	ND (0.011)	ND (0.001)
Methylene chloride	ND (0.001)	ND (0.011)	ND (0.001)
Tetrachloroethene	ND (0.001)	ND (0.011)	ND (0.001)
Trichloroethene	ND (0.001)	0.003 J	0.001 J
Vinyl chloride	ND (0.001)	ND (0.011)	ND (0.001)
SVOAs			
Benzo(a)anthracene	ND (0.01)	7.1	ND (0.01)
Benzo(a)pyrene	ND (0.01)	7.2	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)	11	ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (0.01)	2.4 J	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)	1.1 J	ND (0.01)
Indeno(1,2,3-cd)pyrene	ND (0.01)	4.5 J	ND (0.01)
PCBs			
Total PCBs (Total)	ND (0.0002)	0.145 J	ND (0.0002)

MH-19	4/8/2002 Storm Sewer Water mg/l	10/13/2004 Sediment mg/kg	10/13/2004 Storm Sewer Water mg/l
VOAs			
1,1-Dichloroethene	ND (0.001)	ND (0.006)	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.002)	ND (0.011)	ND (0.002) J
Benzene	ND (0.001)	ND (0.006)	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.001)	ND (0.006)	ND (0.001)
Carbon tetrachloride	ND (0.001)	ND (0.006)	ND (0.001)
Chloroform (Trichloromethane)	ND (0.001)	ND (0.006)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.001)	ND (0.006)	0.0005 J
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.006)	ND (0.001) J
Isopropylbenzene	ND (0.001)	ND (0.006)	ND (0.001)
Methylene chloride	ND (0.001)	ND (0.006)	ND (0.001)
Tetrachloroethene	0.0003 J	0.01	0.0002 J
Trichloroethene	ND (0.001)	0.001 J	ND (0.001)
Vinyl chloride	ND (0.001)	ND (0.006)	ND (0.001)
SVOAs			
Benzo(a)anthracene	ND (0.01)	0.18 J	ND (0.01)
Benzo(a)pyrene	ND (0.01)	0.28 J	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)	0.48 J	ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (0.01)	3.8	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)	ND (1.8)	ND (0.01)
Indeno(1,2,3-cd)pyrene	ND (0.01)	0.22 J	ND (0.01)
PCBs			
Total PCBs (Total)	0.0002 J	12.3 J	0.001 J

Storm Sewer Sediment Criteria

	A	D	E
1,1-Dichloroethene	7.73E+02	2.92E+04	1.39E+02
1,2-Dibromo-3-chloropropane (DBCP)	1.42E-01	5.41E+02	2.54E+00
Antimony	8.17E+02	1.01E+04	2.03E+02
Arsenic	2.73E+01	9.54E+02	2.08E+02
Benzene	2.74E+01	2.49E+03	8.11E+01
Benzo(a)anthracene	2.85E+01	1.68E+03	3.31E+02
Benzo(a)pyrene	2.88E+00	1.70E+02	3.40E+01
Benzo(b)fluoranthene	2.84E+01	1.68E+03	3.27E+02
Beryllium	3.85E+03	8.18E+03	3.72E+02
bis(2-Ethylhexyl)phthalate	1.76E+03	9.49E+04	7.67E+03
Bromomethane (Methyl Bromide)	2.64E+01	9.92E+02	1.78E+02
Cadmium	1.33E+03	1.89E+04	7.84E+02
Carbon tetrachloride	1.05E+01	9.60E+02	2.06E+01
Chloroform (Trichloromethane)	9.44E+00	9.04E+02	4.23E+01
Chromium Total	6.02E+03	2.84E+03	1.70E+03
cis-1,2-Dichloroethene	2.92E+02	1.09E+04	5.25E+02
Copper	8.17E+04	1.01E+06	2.03E+04
Cyanide (total)	4.09E+04	5.03E+05	1.02E+04
Dibenz(a,h)anthracene	2.88E+00	1.69E+02	3.39E+01
Dichlorodifluoromethane (CFC-12)	4.20E+02	1.61E+04	7.52E+02
Indeno(1,2,3-cd)pyrene	2.88E+01	1.69E+03	3.39E+02
Isopropylbenzene	1.10E+03	4.16E+04	1.98E+02
Lead	7.50E+02		
Manganese	1.05E+05	2.42E+04	1.43E+03
Mercury	1.26E+02	3.32E+03	2.40E+01
Methylene chloride	4.19E+02	3.60E+04	1.91E+03
Nickel	4.09E+04	1.42E+05	1.02E+04
Silver	7.81E+03	4.69E+03	2.62E+02
Tetrachloroethene	6.24E+01	5.36E+03	2.84E+02
Thallium	1.43E+02	1.76E+03	3.56E+01
Total PCBs (Total)	9.25E+00	3.50E+02	1.75E+01
Trichloroethene	1.50E+02	1.36E+04	6.77E+02
Vanadium	2.04E+03	2.52E+04	3.56E+03
Vinyl chloride	7.16E+00	5.04E+02	3.37E+01
Zinc	6.13E+05	7.55E+06	1.53E+05

Storm Sewer Water Criteria

	H	J	K
1,1-Dichloroethene	7.00E-03	4.29E+02	1.31E+02
1,2-Dibromo-3-chloropropane (DBCP)	2.00E-04	1.39E+00	4.62E-02
Antimony	6.00E-03	3.79E+01	1.48E+00
Arsenic	1.00E-02	1.44E+01	5.77E-02
Benzene	5.00E-03	1.50E+01	9.49E-01
Benzo(a)anthracene	9.21E-04	6.17E-02	5.88E-04
Benzo(a)pyrene	2.00E-04	4.36E-03	3.76E-05
Benzo(b)fluoranthene	9.21E-04	3.75E-02	6.02E-04
Beryllium	4.00E-03	1.07E+01	7.42E+00
bis(2-Ethylhexyl)phthalate	6.00E-03	1.82E+00	1.49E-02
Bromomethane (Methyl Bromide)	5.11E-02	1.24E+01	9.33E+00
Cadmium	5.00E-03	1.86E+01	3.71E+00
Carbon tetrachloride	5.00E-03	7.93E+00	3.11E-01
Chloroform (Trichloromethane)	8.00E-02	9.16E+00	3.77E+01
Chromium Total	1.00E-01	2.85E+01	9.32E+00
cis-1,2-Dichloroethene	7.00E-02	8.27E+01	3.62E+01
Copper	1.30E+00	1.23E+04	1.48E+02
Cyanide (total)	2.00E-01	6.16E+03	7.42E+01
Dibenz(a,h)anthracene	9.21E-05	2.78E-03	2.28E-05
Dichlorodifluoromethane (CFC-12)	7.30E+00	5.57E+02	5.31E+02
Indeno(1,2,3-cd)pyrene	9.21E-04	2.82E-02	2.41E-04
Isopropylbenzene	3.65E+00	4.72E+02	4.58E+01
Lead	1.50E-02	4.00E-03	
Manganese	8.76E-01	5.96E+03	5.19E+02
Mercury	2.00E-03	1.14E+00	2.29E+00
Methylene chloride	5.00E-03	2.91E+02	1.90E+01
Nickel	1.00E-01	2.38E+03	8.79E+01
Silver	1.83E-01	2.34E+02	2.01E+01
Tetrachloroethene	5.00E-03	3.01E+01	8.95E-01
Thallium	2.00E-03	2.15E+01	2.60E-01
Total PCBs (Total)	5.00E-04	9.35E-03	3.58E-04
Trichloroethene	5.00E-03	7.27E+01	3.31E+00
Vanadium	3.65E-02	1.94E+01	3.71E+00
Vinyl chloride	2.00E-03	3.16E+00	7.28E-02
Zinc	1.09E+01	1.10E+05	1.21E+03

A ROUTINE WORKER SOIL DIRECT CONTACT CRITERIA
D ROUTINE CONSTRUCTION WORKER SOIL DIRECT CONTACT CRITERIA
E SITE REDEVELOPMENT WORKER SOIL DIRECT CONTACT CRITERIA
H DRINKING WATER CRITERIA
J ROUTINE CONSTRUCTION WORKER GW DIRECT CONTACT CRITERIA
K RESIDENTIAL NON POTABLE GROUNDWATER USE CRITERIA

Nº	Revision	Date	Initial

0 40 80ft

LEGEND

BUILDING WALL
FORMER BUILDING WALL
SHORELINE
RAILROAD
STM — STORM SEWER
SOIL BORING LOCATION
WIPE/CONCRETE CORE SAMPLE LOCATION
MH-18 STORM SEWER MANHOLE LOCATION
BS-8 BASEMENT SUMP LOCATION

SAMPLE LOCATION — SAMPLE DATE — SAMPLE MATRIX — RESULT UNIT — CONCENTRATION — PARAMETER

BS-4	4/12/2002 Storm Sewer Water mg/l
VOAs	
1,1-Dichloroethene	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.002)
1,2-Dibromoethane (Ethylene Dibromide)	ND (0.001)
Benzene	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.001)
Carbon tetrachloride	ND (0.001)
Chloroform (Trichloromethane)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.001)
Isopropylbenzene	ND (0.001)
Methylene chloride	ND (0.001)
Tetrachloroethene	0.003
Trichloroethene	0.001 J
Vinyl chloride	ND (0.001)

0.006 J (H) EXCEEDS CRITERIA

NOTES:

1. TOTAL PCBs WERE SUMMED BY ADDING THE POSITIVE DETECTIONS PLUS HALF THE QUANTITATION LIMITS FOR NON-DETECT RESULTS OF AROCLORS DETECTED ELSEWHERE AT THE SITE. IF QUANTITATION LIMITS ARE NOT AVAILABLE, HALF THE REPORTING LIMITS ARE USED FOR NON-DETECTED VALUES.
2. SCREENING CRITERIA AND SAMPLE RESULTS ARE COMPARED TO TWO SIGNIFICANT DIGITS. RESULTS EQUAL TO SCREENING CRITERIA ARE NOT HIGHLIGHTED AS EXCEEDANCES.
3. PARAMETERS THAT DO NOT APPEAR IN THE DATABOX FOR A PARTICULAR SAMPLE WERE NOT ANALYZED.

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY

Dayton, Ohio

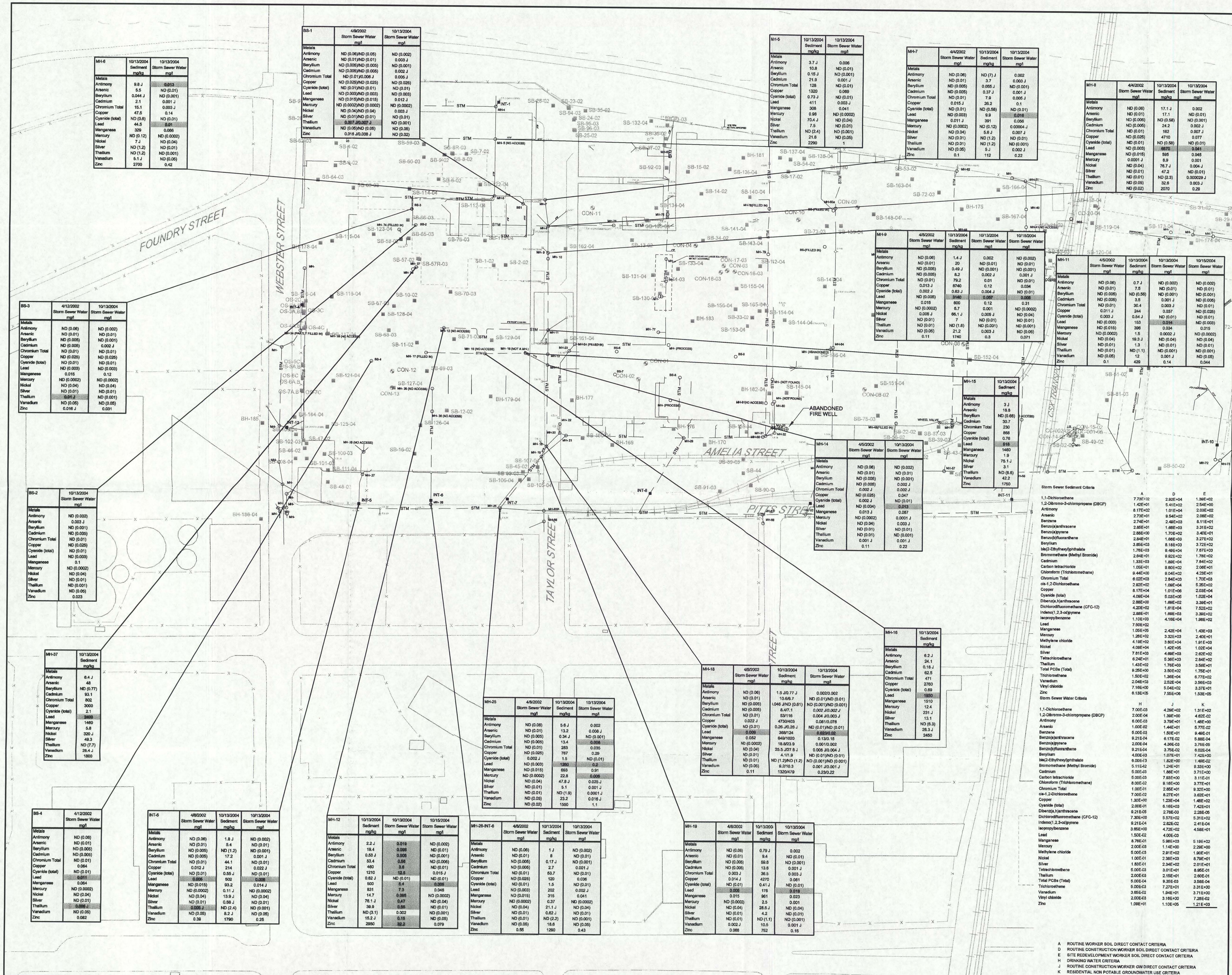
STORM SEWER AND SEDIMENT SAMPLING RESULTS - ORGANICS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager: IKR	Reviewed By: SE	Date: JUNE 2005	
Scale: 1"=80'	Project Nº: 12638-04	Report Nº: MEMO038	Drawing Nº: 1a

12638-04(MEMO038)GN-WA006 JUN 21/2005



MH-6	10/13/2004 Sediment mg/kg	10/13/2004 Storm Sewer Water mg/l
Metals		
Antimony	9.8 J	0.013
Arsenic	5.5	ND (0.01)
Beryllium	0.044 J	ND (0.001)
Cadmium	2.1	0.001 J
Chromium Total	15.1	0.003 J
Copper	47.5	0.14
Cyanide (total)	ND (0.6)	ND (0.01)
Lead	44.5	0.01
Manganese	329	0.066
Mercury	ND (0.12)	ND (0.0002)
Nickel	7 J	ND (0.04)
Silver	ND (1.2)	ND (0.01)
Thallium	ND (1.2)	ND (0.001)
Vanadium	5.1 J	ND (0.05)
Zinc	2700	0.42

BS-1	4/9/2002 Storm Sewer Water mg/l	10/13/2004 Storm Sewer Water mg/l
Metals		
Antimony	ND (0.06)/ND (0.05)	ND (0.002)
Arsenic	ND (0.01)/ND (0.01)	0.003 J
Beryllium	ND (0.005)/ND (0.005)	ND (0.001)
Cadmium	ND (0.005)/ND (0.005)	0.002 J
Chromium Total	ND (0.01)/0.008 J	0.005 J
Copper	ND (0.025)/ND (0.025)	ND (0.025)
Cyanide (total)	ND (0.01)/ND (0.01)	ND (0.01)
Lead	ND (0.003)/ND (0.003)	ND (0.003)
Manganese	ND (0.015)/ND (0.015)	0.012 J
Mercury	ND (0.0002)/ND (0.0002)	ND (0.0002)
Nickel	ND (0.04)/ND (0.04)	0.003 J
Silver	ND (0.01)/ND (0.01)	ND (0.01)
Thallium	0.007 J/0.007 J	ND (0.001)
Vanadium	ND (0.05)/ND (0.05)	ND (0.05)
Zinc	0.018 J/0.038 J	ND (0.02)

MH-5	10/13/2004 Sediment mg/kg	10/13/2004 Storm Sewer Water mg/l
Metals		
Antimony	3.7 J	0.006
Arsenic	10.8	ND (0.01)
Beryllium	0.15 J	ND (0.001)
Cadmium	21.9	0.001 J
Chromium Total	128	ND (0.01)
Copper	1320	0.069
Cyanide (total)	0.73 J	ND (0.01)
Lead	411	0.003 J
Manganese	308	0.041
Mercury	0.98	ND (0.0002)
Nickel	70.4 J	ND (0.04)
Silver	7.5	ND (0.01)
Thallium	ND (2.4)	ND (0.001)
Vanadium	21.6	ND (0.05)
Zinc	2290	1

MH-7	4/4/2002 Storm Sewer Water mg/l	10/13/2004 Sediment mg/kg	10/13/2004 Storm Sewer Water mg/l
Metals			
Antimony	ND (0.06)	ND (7) J	0.002
Arsenic	ND (0.01)	3.7	0.003 J
Beryllium	ND (0.005)	0.055 J	ND (0.001)
Cadmium	ND (0.005)	0.37 J	0.001 J
Chromium Total	ND (0.01)	7.9	0.005 J
Copper	0.015 J	26.2	0.1
Cyanide (total)	ND (0.01)	ND (0.58)	ND (0.01)
Lead	ND (0.003)	9.9	0.016
Manganese	0.011 J	391	0.056
Mercury	ND (0.0002)	ND (0.12)	0.00004 J
Nickel	ND (0.04)	5.6 J	0.007 J
Silver	ND (0.01)	ND (1.2)	ND (0.01)
Thallium	ND (0.01)	ND (1.2)	ND (0.001)
Vanadium	ND (0.05)	5 J	0.002 J
Zinc	0.1	112	0.22

MH-8	4/4/2002 Storm Sewer Water mg/l	10/13/2004 Sediment mg/kg	10/13/2004 Storm Sewer Water mg/l
Metals			
Antimony	ND (0.06)	17.1 J	0.002
Arsenic	ND (0.01)	17.1	ND (0.01)
Beryllium	ND (0.005)	ND (0.58)	ND (0.001)
Cadmium	ND (0.005)	24.2	0.002 J
Chromium Total	ND (0.01)	162	0.007 J
Copper	ND (0.025)	4710	0.077
Cyanide (total)	ND (0.01)	ND (0.58)	ND (0.01)
Lead	ND (0.003)	6670	0.041
Manganese	ND (0.015)	595	0.045
Mercury	0.0001 J	8.9	0.001
Nickel	ND (0.04)	76.7 J	0.004 J
Silver	ND (0.01)	47.2	ND (0.01)
Thallium	ND (0.01)	ND (2.3)	0.000029 J
Vanadium	ND (0.05)	32.6	0.003 J
Zinc	ND (0.02)	2070	0.29

MH-9	4/5/2002 Storm Sewer Water mg/l	10/13/2004 Sediment mg/kg	10/13/2004 Storm Sewer Water mg/l	10/15/2004 Storm Sewer Water mg/l
Metals				
Antimony	ND (0.06)	1.4 J	0.002	ND (0.002)
Arsenic	ND (0.01)	20	ND (0.01)	ND (0.01)
Beryllium	ND (0.005)	0.49 J	ND (0.001)	ND (0.001)
Cadmium	ND (0.005)	8.2	0.002 J	0.001 J
Chromium Total	ND (0.01)	79.2	0.01	ND (0.01)
Copper	0.013 J	8740	0.12	0.034
Cyanide (total)	0.002 J	0.63 J	0.004 J	ND (0.01)
Lead	ND (0.005)	3140	0.057	0.005
Manganese	0.015	600	0.12	0.31
Mercury	ND (0.0002)	5.7	0.001	ND (0.0002)
Nickel	0.005 J	66.1 J	0.005 J	ND (0.04)
Silver	ND (0.01)	7	ND (0.01)	ND (0.01)
Thallium	ND (0.01)	ND (1.6)	ND (0.001)	ND (0.001)
Vanadium	ND (0.05)	21.2	0.003 J	ND (0.05)
Zinc	0.11	1740	0.3	0.071

MH-11	4/5/2002 Storm Sewer Water mg/l	10/13/2004 Sediment mg/kg	10/13/2004 Storm Sewer Water mg/l	10/15/2004 Storm Sewer Water mg/l
Metals				
Antimony	ND (0.06)	0.7 J	ND (0.002)	ND (0.002)
Arsenic	ND (0.01)	7.5	ND (0.01)	ND (0.01)
Beryllium	ND (0.005)	ND (0.56)	ND (0.001)	ND (0.001)
Cadmium	ND (0.005)	3.5	0.001 J	ND (0.005)
Chromium Total	ND (0.01)	30.4	0.003 J	ND (0.01)
Copper	0.011 J	244	0.037	ND (0.025)
Cyanide (total)	0.003 J	0.54 J	ND (0.01)	ND (0.01)
Lead	ND (0.003)	153	0.014	ND (0.003)
Manganese	ND (0.015)	396	0.034	0.015
Mercury	ND (0.0002)	1.5	0.0002 J	ND (0.0002)
Nickel	ND (0.04)	19.3 J	ND (0.04)	ND (0.04)
Silver	ND (0.01)	1.3	ND (0.01)	ND (0.01)
Thallium	ND (0.01)	ND (1.1)	ND (0.001)	ND (0.001)
Vanadium	ND (0.05)	12	0.001 J	ND (0.05)
Zinc	0.1	429	0.14	0.044

BS-3	4/12/2002 Storm Sewer Water mg/l	10/13/2004 Storm Sewer Water mg/l
Metals		
Antimony	ND (0.06)	ND (0.002)
Arsenic	ND (0.01)	ND (0.01)
Beryllium	ND (0.005)	ND (0.001)
Cadmium	ND (0.005)	0.002 J
Chromium Total	ND (0.01)	ND (0.01)
Copper	ND (0.025)	ND (0.025)
Cyanide (total)	ND (0.01)	ND (0.01)
Lead	ND (0.003)	ND (0.003)
Manganese	0.015	0.12
Mercury	ND (0.0002)	ND (0.0002)
Nickel	ND (0.04)	ND (0.04)
Silver	ND (0.01)	ND (0.01)
Thallium	0.01 J	ND (0.001)
Vanadium	ND (0.05)	ND (0.05)
Zinc	0.016 J	0.031

MH-15	10/13/2004 Sediment mg/kg
Metals	
Antimony	3 J
Arsenic	18.8
Beryllium	ND (0.66)
Cadmium	30.7
Chromium Total	230
Copper	868
Cyanide (total)	0.76
Lead	918
Manganese	1460
Mercury	1.9
Nickel	75.1 J
Silver	3.1
Thallium	ND (6.6)
Vanadium	42.2
Zinc	1750

MH-14	4/5/2002 Storm Sewer Water mg/l	10/13/2004 Storm Sewer Water mg/l
Metals		
Antimony	ND (0.06)	ND (0.002)
Arsenic	ND (0.01)	ND (0.01)
Beryllium	ND (0.005)	ND (0.001)
Cadmium	ND (0.005)	0.002 J
Chromium Total	0.002 J	0.002 J
Copper	ND (0.025)	0.047
Cyanide (total)	0.002 J	ND (0.01)
Lead	ND (0.004)	0.013
Manganese	0.013 J	0.087
Mercury	ND (0.0002)	0.0001 J
Nickel	ND (0.04)	0.003 J
Silver	ND (0.01)	ND (0.01)
Thallium	ND (0.01)	ND (0.001)
Vanadium	0.001 J	0.001 J
Zinc	0.11	0.22

BS-2	10/13/2004 Storm Sewer Water mg/l
Metals	
Antimony	ND (0.002)
Arsenic	0.003 J
Beryllium	ND (0.001)
Cadmium	ND (0.005)
Chromium Total	ND (0.01)
Copper	ND (0.025)
Cyanide (total)	ND (0.01)
Lead	ND (0.003)
Manganese	0.1
Mercury	ND (0.0002)
Nickel	ND (0.04)
Silver	ND (0.01)
Thallium	ND (0.001)
Vanadium	ND (0.05)
Zinc	0.023

MH-37	10/13/2004 Sediment mg/kg
Metals	
Antimony	6.4 J
Arsenic	48
Beryllium	ND (0.77)
Cadmium	93.1
Chromium Total	802
Copper	3000
Cyanide (total)	2.1
Lead	2400
Manganese	1460
Mercury	5.8
Nickel	320 J
Silver	49.3
Thallium	ND (7.7)
Vanadium	26.4 J
Zinc	1800

MH-16	10/13/2004 Sediment mg/kg
Metals	
Antimony	6.2 J
Arsenic	24.1
Beryllium	0.18 J
Cadmium	62.5
Chromium Total	471
Copper	2760
Cyanide (total)	0.69
Lead	1930
Manganese	1510
Mercury	12.4
Nickel	231 J
Silver	13.1
Thallium	ND (6.3)
Vanadium	26.3 J
Zinc	2450

MH-18	4/5/2002 Storm Sewer Water mg/l	10/13/2004 Sediment mg/kg	10/13/2004 Storm Sewer Water mg/l
Metals			
Antimony	ND (0.06)	1.5 J/0.77 J	0.002/0.002
Arsenic	ND (0.01)	10.6/6.7	ND (0.01)/ND (0.01)
Beryllium	ND (0.005)	0.046 J/ND (0.61)	ND (0.001)/ND (0.001)
Cadmium	ND (0.005)	8.4/7.1	0.002 J/0.002 J
Chromium Total	ND (0.01)	53/116	0.004 J/0.003 J
Copper	0.022 J	4730/403	0.081/0.078
Cyanide (total)	ND (0.01)	0.26 J/0.26 J	ND (0.01)/ND (0.01)
Lead	0.009	368/124	0.023/0.02
Manganese	0.052	649/1020	0.13/0.15
Mercury	ND (0.0002)	18.8/23.9	0.001/0.002
Nickel	ND (0.04)	25.5 J/27.6 J	0.005 J/0.004 J
Silver	ND (0.01)	4.1/1.9	ND (0.01)/ND (0.01)
Thallium	ND (0.01)	ND (1.2)/ND (1.2)	ND (0.001)/ND (0.001)
Vanadium	ND (0.05)	9.2/10.3	0.001 J/0.001 J
Zinc	0.11	1320/479	0.23/0.22

MH-25	4/8/2002 Storm Sewer Water mg/l	10/13/2004 Sediment mg/kg	10/13/2004 Storm Sewer Water mg/l
Metals			
Antimony	ND (0.06)	5.6 J	0.002
Arsenic	ND (0.01)	13.2	0.008 J
Beryllium	ND (0.005)	0.34 J	ND (0.001)
Cadmium	ND (0.005)	13.4	0.008
Chromium Total	ND (0.01)	283	0.035
Copper	ND (0.025)	767	0.29
Cyanide (total)	0.002 J	1.5	ND (0.01)
Lead	ND (0.003)	1260	0.2
Manganese	ND (0.015)	693	0.91
Mercury	ND (0.0002)	22.8	0.006
Nickel	ND (0.04)	47.8 J	0.025 J
Silver	ND (0.01)	5.1	0.001 J
Thallium	ND (0.01)	ND (1.9)	0.0001 J
Vanadium	ND (0.05)	23.2	0.016 J
Zinc	ND (0.02)	1550	1.1

BS-4	4/12/2002 Storm Sewer Water mg/l
Metals	
Antimony	ND (0.06)
Arsenic	ND (0.01)
Beryllium	ND (0.005)
Cadmium	ND (0.005)
Chromium Total	ND (0.01)
Copper	0.064
Cyanide (total)	ND (0.01)
Lead	0.011
Manganese	0.064
Mercury	ND (0.0002)
Nickel	ND (0.04)
Silver	ND (0.01)
Thallium	0.006 J
Vanadium	ND (0.05)
Zinc	0.082

INT-5	4/8/2002 Storm Sewer Water mg/l	10/13/2004 Sediment mg/kg	10/13/2004 Storm Sewer Water mg/l
Metals			
Antimony	ND (0.06)	1.8 J	ND (0.002)
Arsenic	ND (0.01)	5.4	ND (0.01)
Beryllium	ND (0.005)	ND (1.2)	ND (0.001)
Cadmium	ND (0.005)	17.2	0.001 J
Chromium Total	ND (0.01)	44.1	ND (0.01)
Copper	0.012 J	214	0.022 J
Cyanide (total)	ND (0.01)	0.55 J	ND (0.01)
Lead	0.005	502	0.006
Manganese	ND (0.015)	93.2	0.014 J
Mercury	ND (0.0002)	0.11 J	ND (0.0002)
Nickel	ND (0.04)	13.9 J	ND (0.04)
Silver	ND (0.01)	0.68 J	ND (0.01)
Thallium	0.005 J	ND (2.4)	ND (0.001)
Vanadium	ND (0.05)	8.2 J	ND (0.05)
Zinc	0.39	1790	0.25

MH-12	10/13/2004 Sediment mg/kg	10/13/2004 Storm Sewer Water mg/l	10/15/2004 Storm Sewer Water mg/l
Metals			
Antimony	2.2 J	0.019	ND (0.002)
Arsenic	19.4	0.098	ND (0.01)
Beryllium	0.53 J	0.005	ND (0.001)
Cadmium	53.4	0.56	ND (0.005)
Chromium Total	460	3.6	ND (0.01)
Copper	1210	12.5	0.015 J
Cyanide (total)	0.62 J	ND (0.01)	ND (0.01)
Lead	500	5.4	0.005
Manganese	831	7.3	0.046
Mercury	14.7	0.095	ND (0.0002)
Nickel	76.1 J	0.47	ND (0.04)
Silver	39.9	0.55	ND (0.01)
Thallium	ND (3.1)	0.002	ND (0.001)
Vanadium	15.2 J	0.15	ND (0.05)
Zinc	2950	32.2	0.079

MH-26-INT-6	4/8/2002 Storm Sewer Water mg/l	10/13/2004 Sediment mg/kg	10/13/2004 Storm Sewer Water mg/l
Metals			
Antimony	ND (0.06)	1 J	ND (0.002)
Arsenic	ND (0.01)	8	ND (0.01)
Beryllium	ND (0.005)	0.17 J	ND (0.001)
Cadmium	ND (0.005)	2.7	0.001 J
Chromium Total	ND (0.01)	53.7	ND (0.01)
Copper	ND (0.025)	120	0.036
Cyanide (total)	ND (0.01)	1.5	ND (0.01)
Lead	ND (0.003)	202	0.002 J
Manganese	ND (0.015)	315	0.041
Mercury	ND (0.0002)	0.37	ND (0.0002)
Nickel	ND (0.04)	21.1 J	ND (0.04)
Silver	ND (0.01)	0.62 J	ND (0.01)
Thallium	ND (0.01)	ND (2.2)	ND (0.001)
Vanadium	ND (0.05)	18.6	ND (0.05)
Zinc	0.55	1290	0.43

MH-19	4/8/2002 Storm Sewer Water mg/l	10/13/2004 Sediment mg/kg	10/13/2004 Storm Sewer Water mg/l
Metals			
Antimony	ND (0.06)	0.79 J	0.002
Arsenic	ND (0.01)	9.4	ND (0.01)
Beryllium	ND (0.005)	59.6	ND (0.001)
Cadmium	ND (0.005)	13.6	0.001 J
Chromium Total	0.003 J	36.5	0.003 J
Copper	0.014 J	4270	0.061
Cyanide (total)	ND (0.01)	0.41 J	ND (0.01)
Lead	0.006	176	0.018
Manganese	0.015	961	0.023
Mercury	ND (0.0002)	2.5	0.001
Nickel	ND (0.04)	28.6 J	ND (0.04)
Silver	ND (0.01)	4.2	ND (0.01)
Thallium	ND (0.01)	ND (1.1)	ND (0.001)
Vanadium	0.002 J	10.5	0.001 J
Zinc	0.068	752	0.15

Storm Sewer Sediment Criteria

	A	D	E
1,1-Dichloroethene	7.73E+02	2.92E+04	1.39E+02
1,2-Dibromo-3-chloropropane (DBCP)	1.42E+01	5.41E+02	2.54E+00
Antimony	8.17E+02	1.01E+04	2.03E+02
Arsenic	2.73E+01	9.54E+02	2.08E+02
Benzene	2.74E+01	2.49E+03	8.11E+01
Benzo(a)anthracene	2.85E+01	1.68E+03	3.31E+02
Benzo(a)pyrene	2.88E+00	1.70E+02	3.40E+01
Benzo(b)fluoranthene	2.84E+01	1.68E+03	3.27E+02
Beryllium	3.85E+03	8.18E+03	3.72E+02
bis(2-Ethylhexyl)phthalate	1.76E+03	9.49E+04	7.67E+03
Bromomethane (Methyl Bromide)	2.64E+01	9.92E+02	1.78E+02
Cadmium	1.33E+03	1.89E+04	7.84E+02
Carbon tetrachloride	1.05E+01	9.60E+02	2.06E+01
Chloroform (Trichloromethane)	9.44E+00	9.04E+02	4.23E+01
Chromium Total	6.02E+03	2.84E+03	1.70E+03
cis-1,2-Dichloroethene	2.92E+02	1.09E+04	5.25E+02
Copper	8.17E+04	1.01E+06	2.03E+04
Cyanide (total)	4.09E+04	5.03E+05	1.02E+04
Dibenz(a,h)anthracene	2.88E+00	1.69E+02	3.39E+01
Dichlorodifluoromethane (CFC-12)	4.20E+02	1.61E+04	7.52E+02
Indeno(1,2,3-cd)pyrene	2.88E+01	1.69E+03	3.39E+02
Isopropylbenzene	1.10E+03	4.16E+04	1.98E+02
Lead	7.50E+02		
Manganese	1.05E+05	2.42E+04	1.43E+03
Mercury	1.26E+02	3.32E+03	2.40E+01
Methylene chloride	4.19E+02	3.60E+04	1.91E+03
Nickel	4.09E+04	1.42E+05	1.02E+04
Silver	7.81E+03	4.69E+03	2.62E+02
Tetrachloroethene	6.24E+01	5.36E+03	2.84E+02
Thallium	1.43E+02	1.76E+03	3.56E+01
Total PCBs (Total)	9.25E+00	3.50E+02	1.75E+01
Trichloroethene	1.50E+02	1.36E+04	6.77E+02
Vanadium	2.04E+03	2.52E+04	3.56E+03
Vinyl chloride	7.16E+00	5.04E+02	3.37E+01
Zinc	6.13E+05	7.55E+06	1.53E+05

Storm Sewer Water Criteria

	H	J	K
1,1-Dichloroethene	7.00E-03	4.29E+02	1.31E+02
1,2-Dibromo-3-chloropropane (DBCP)	2.00E-04	1.39E+00	4.62E-02
Antimony	6.00E-03	3.79E+01	1.48E+00
Arsenic	1.00E-02	1.44E+01	5.77E-02
Benzene	5.00E-03	1.50E+01	9.49E-01
Benzo(a)anthracene	9.21E-04	6.17E-02	5.88E-04
Benzo(a)pyrene	2.00E-04	4.36E-03	3.76E-05
Benzo(b)fluoranthene	9.21E-04	3.75E-02	6.02E-04
Beryllium	4.00E-03	1.07E+01	7.42E+00
bis(2-Ethylhexyl)phthalate	6.00E-03	1.82E+00	1.49E-02
Bromomethane (Methyl Bromide)	5.11E-02	1.24E+01	9.33E+00
Cadmium	5.00E-03	1.86E+01	3.71E+00
Carbon tetrachloride	5.00E-03	7.93E+00	3.11E-01
Chloroform (Trichloromethane)	8.00E-02	9.16E+00	3.77E+01
Chromium Total	1.00E-01	2.85E+01	9.32E+00
cis-1,2-Dichloroethene	7.00E-02	8.27E+01	3.62E+01
Copper	1.30E+00	1.23E+04	1.48E+02
Cyanide (total)	2.00E-01	6.16E+03	7.42E+01
Dibenz(a,h)anthracene	9.21E-05	2.78E-03	2.28E-05
Dichlorodifluoromethane (CFC-12)	7.30E+00	5.57E+02	5.31E+02
Indeno(1,2,3-cd)pyrene	9.21E-04	2.82E-02	2.41E-04
Isopropylbenzene	3.65E+00	4.72E+02	4.58E+01
Lead	1.50E-02	4.00E-03	
Manganese	8.76E-01	5.98E+03	5.19E+02
Mercury	2.00E-03	1.14E+00	2.29E+00
Methylene chloride	5.00E-03	2.91E+02	1.90E+01
Nickel	1.00E-01	2.38E+03	8.79E+01
Silver	1.83E-01	2.34E+02	2.01E+01
Tetrachloroethene	5.00E-03	3.01E+01	8.95E-01
Thallium	2.00E-03	2.15E+01	2.60E-01
Total PCBs (Total)	5.00E-04	9.35E-03	3.58E-04
Trichloroethene	5.00E-03	7.27E+01	3.31E+00
Vanadium	3.65E-02	1.94E+01	3.71E+00
Vinyl chloride	2.00E-03	3.16E+00	7.28E-02
Zinc	1.09E+01	1.10E+05	1.21E+03

A ROUTINE WORKER SOIL DIRECT CONTACT CRITERIA
D ROUTINE CONSTRUCTION WORKER SOIL DIRECT CONTACT CRITERIA
E SITE REDEVELOPMENT WORKER SOIL DIRECT CONTACT CRITERIA
H DRINKING WATER CRITERIA
J ROUTINE CONSTRUCTION WORKER GW DIRECT CONTACT CRITERIA
K RESIDENTIAL NON POTABLE GROUNDWATER USE CRITERIA

№	Revision	Date	Initial

0 40 80ft

LEGEND

- BUILDING WALL
- FORMER BUILDING WALL
- SHORELINE
- RAILROAD
- STM — STORM SEWER
- SOIL BORING LOCATION
- WIPE/CONCRETE CORE SAMPLE LOCATION
- MH-18 STORM SEWER MANHOLE LOCATION
- BS-8 BASEMENT SUMP LOCATION

BS-4 (SAMPLE LOCATION)	4/12/2002 (SAMPLE DATE) Storm Sewer Water (SAMPLE MATRIX) mg/l (RESULT UNIT)
VOAs	
1,1-Dichloroethene	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.002) (CONCENTRATION)
1,2-Dibromoethane (Ethylene Dibromide)	ND (0.001)
Benzene	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.001)
Carbon tetrachloride	ND (0.001)
Chloroform (Trichloromethane)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.001)
Isopropylbenzene	ND (0.001)
Methylene chloride	ND (0.001)
Tetrachloroethene	0.003
Trichloroethene	0.001 J
Vinyl chloride	ND (0.001)

PARAMETER

0.006 J (H) EXCEEDS CRITERIA

NOTES:
1. SCREENING CRITERIA AND SAMPLE RESULTS ARE COMPARED TO TWO SIGNIFICANT DIGITS. RESULTS EQUAL TO SCREENING CRITERIA ARE NOT HIGHLIGHTED AS EXCEEDANCES.
2. PARAMETERS THAT DO NOT APPEAR IN THE DATABOX FOR A PARTICULAR SAMPLE WERE NOT ANALYZED.
3. EXCEEDANCES FOR EACH CONSTITUENT ARE BASED ON THE RATIOS OF SITE-RELATED CONCENTRATIONS TO SCREENING CRITERIA GREATER THAN 1.0. SITE-RELATED INORGANIC CONCENTRATIONS ARE THOSE IN EXCESS OF BACKGROUND LEVELS.

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY

Dayton, Ohio

STORM SEWER AND SEDIMENT SAMPLING RESULTS - INORGANICS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager: IKR	Reviewed By: SE	Date: JUNE 2005	
Scale: 1"=80'	Project №: 12638-04	Report №: MEMO038	Drawing №: 1b

12638-04(MEMO038)GN-WA007 JUN 21/2005

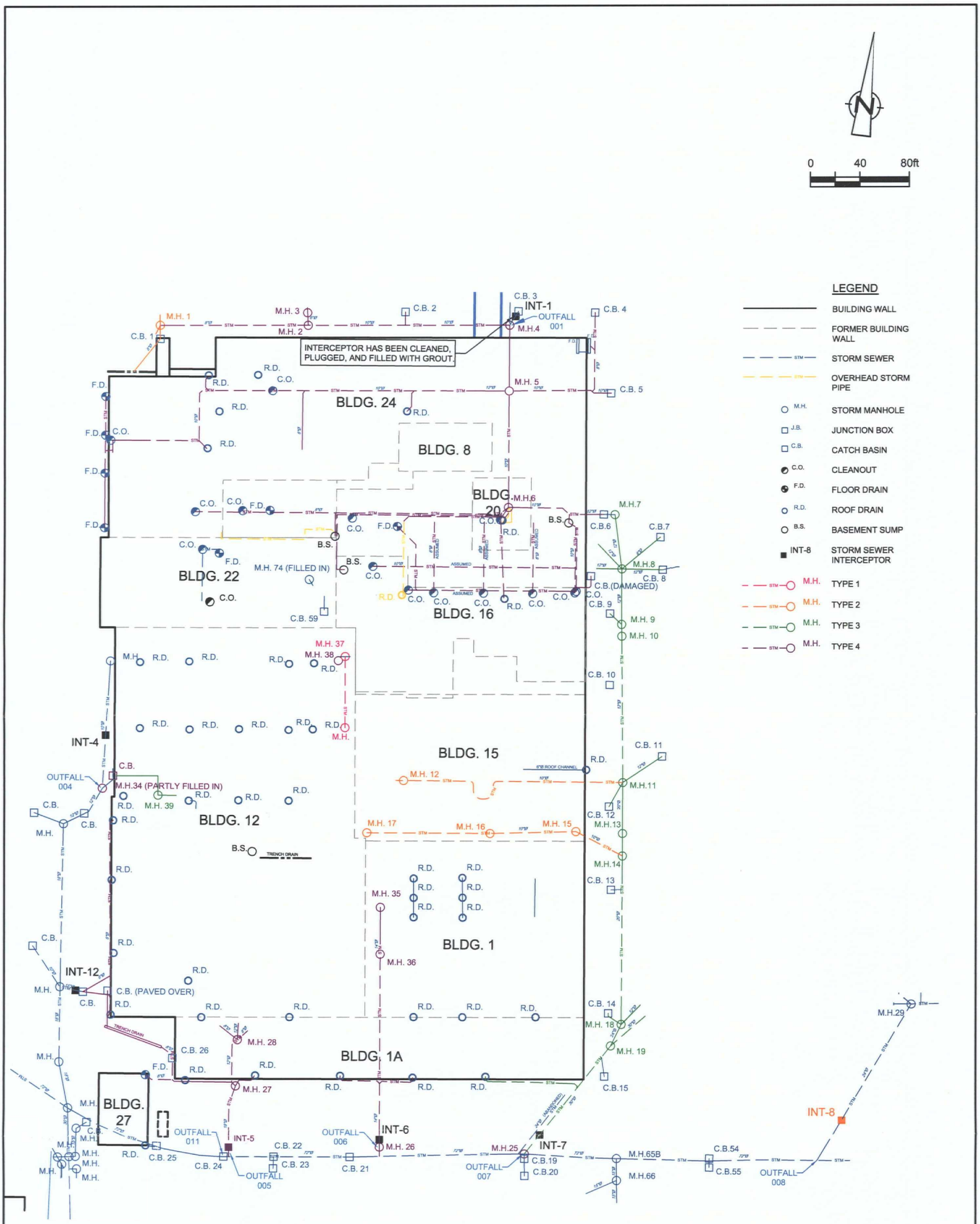


figure 3

STORM SEWER MATERIAL SEGREGATION
FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY
Dayton, Ohio

12638-04(MEMO038)GN-WA009 DEC 23/2005

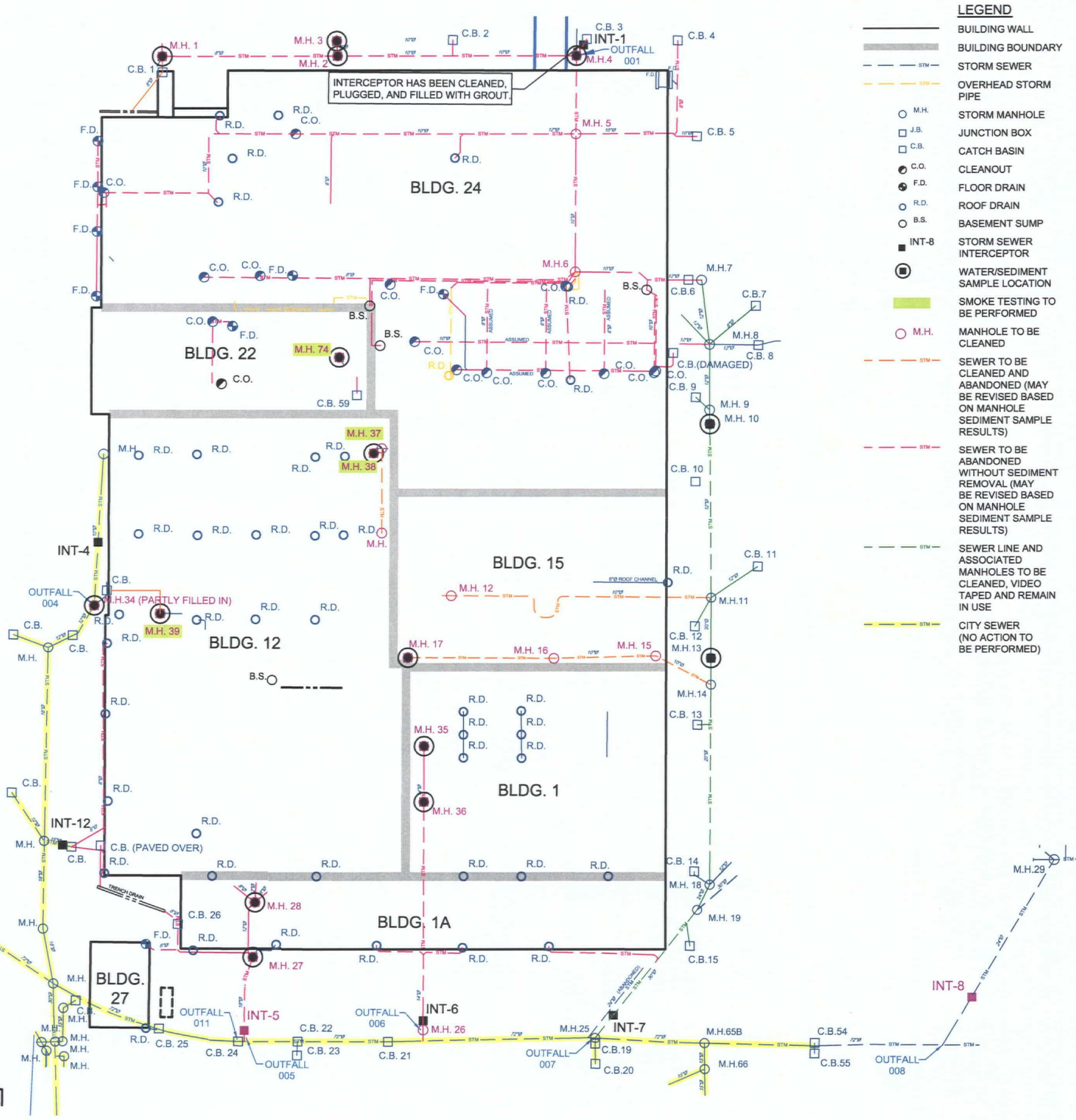


figure 2

PROPOSED STORM SEWER ABANDONMENT ACTIVITIES
FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY
Dayton, Ohio

12638-04(MEMO038)GN-WA001 DEC 23/2005

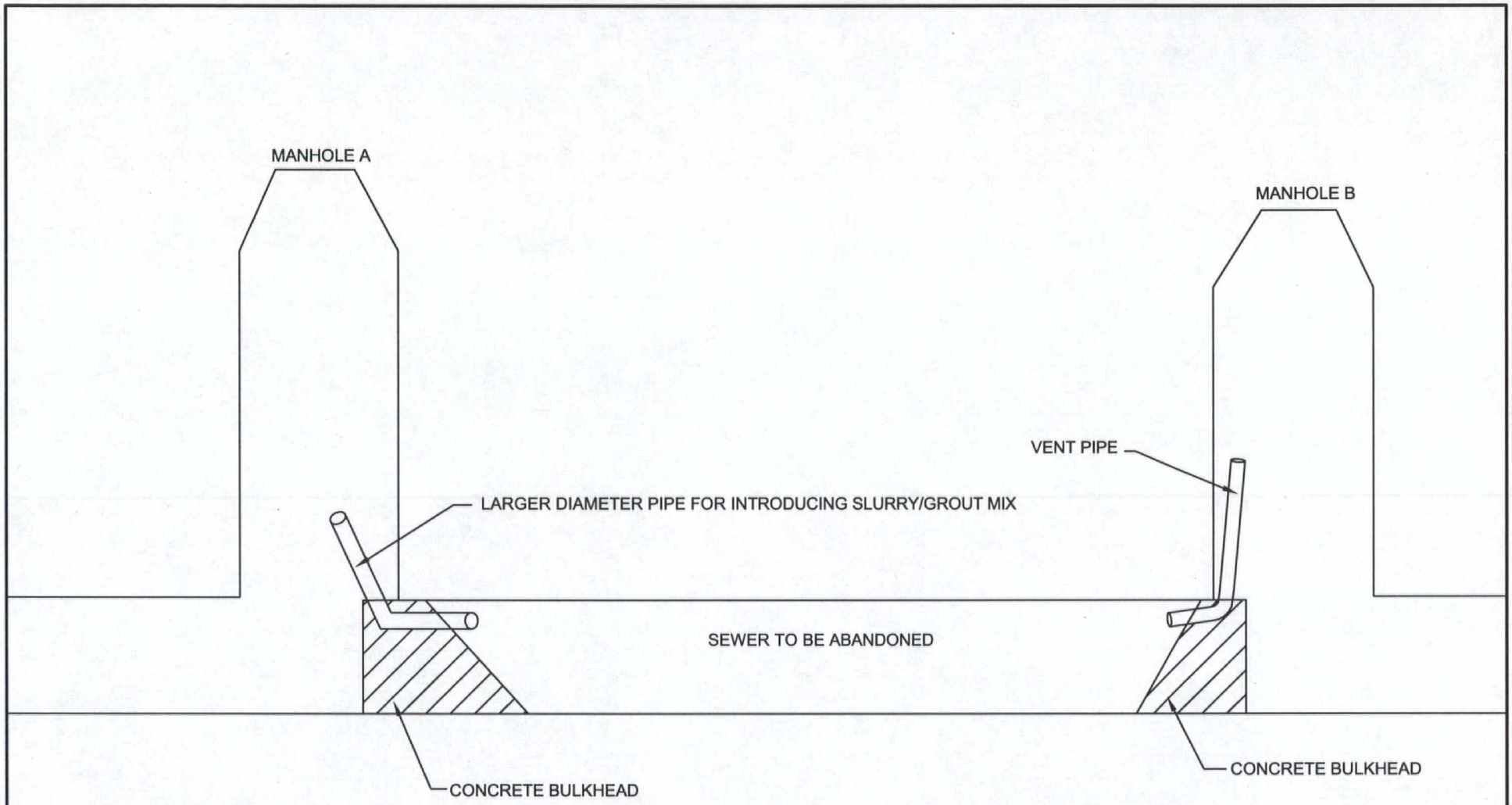


figure 4

ABANDONMENT OF A SECTION OF SEWER
FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY
Dayton, Ohio

12638-04(MEMO038)GN-WA002 MAY 09/2005

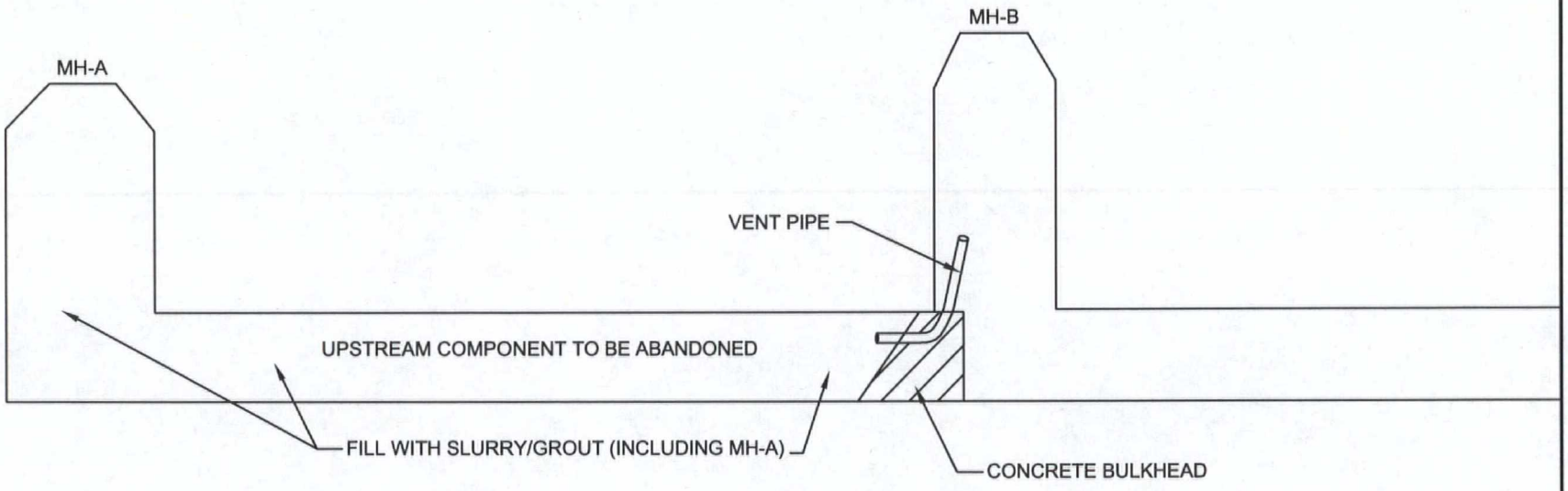
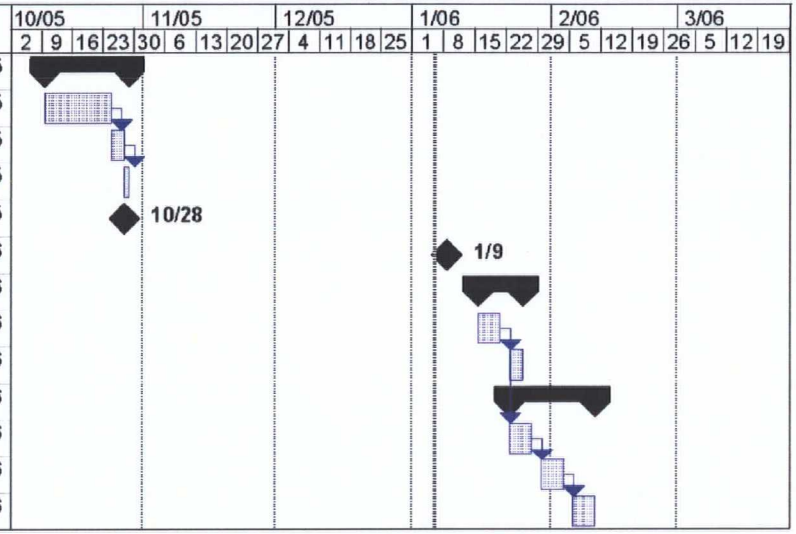


figure 5

ABANDONMENT OF END OF PIPE RUNS
FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY
Dayton, Ohio

12638-04(MEMO038)GN-WA003 MAY 09/2005

ID	Task Name	Duration	Start	Finish
1	**Sewer Investigation (Webster-Taylor)**	**15 days**	**Mon 10/10/05**	**Fri 10/28/05**
2	Inspection & Sampling	11 days	Mon 10/10/05	Mon 10/24/05
3	Sample Analysis	3 days	Tue 10/25/05	Thu 10/27/05
4	Review Plan	1 day	Fri 10/28/05	Fri 10/28/05
5	**Submittal of Plan (Revision 1) to USEPA**	**1 day**	**Fri 10/28/05**	**Fri 10/28/05**
6	**Submittal of Plan (Revision 2) to USEPA**	**1 day**	**Mon 1/9/06**	**Mon 1/9/06**
7	**Manhole Cleaning**	**8 days**	**Mon 1/16/06**	**Wed 1/25/06**
8	Manhole Cleaning (Type 4)	5 days	Mon 1/16/06	Fri 1/20/06
9	Manhole Sediment Sample Analysis (Type 4)	3 days	Mon 1/23/06	Wed 1/25/06
10	**Sewer Cleaning & Abandonment**	**15 days**	**Mon 1/23/06**	**Fri 2/10/06**
11	Sewer Cleaning & Videotaping (Webster-Taylor)	5 days	Mon 1/23/06	Fri 1/27/06
12	Sewer Abandonment (Webster-Taylor)	5 days	Mon 1/30/06	Fri 2/3/06
13	Sewer Cleaning & Videotaping (Taylor)	5 days	Mon 2/6/06	Fri 2/10/06



Task
Split
Progress
Milestone
Summary
Rolled Up Task
Rolled Up Split
Rolled Up Milestone
Rolled Up Progress
External Tasks
Project Summary
External Milestone
Deadline

figure 6

PROPOSED SCHEDULE (REVISION 2)
FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY
Dayton, Ohio

TABLE 1a

ANALYTICAL RESULTS SUMMARY
STORM SEWER SEDIMENT
HARRISON DAYTON

Sample Location:		*INT-5*	*MH-26/INT-6*	*MH-26/INT-6*	*MH-1*	*MH-2*	*MH-3*	*MH-4*	*MH-5*	*MH-6*
Sample ID:		*SESS-101304-NZ-001*	*SE-040802-SLE-008*	*SESS-101304-NZ-002*	*SESS-101005-LB-001*	*SESS-101005-LB-002*	*SESS-101005-LB-003*	*SESS-101005-LB-004*	*SESS-101304-NZ-018*	*SESS-101304-NZ-017*
Sample Date:		*10/13/2004*	*4/8/2002*	*10/13/2004*	*10/10/2005*	*10/10/2005*	*10/10/2005*	*10/10/2005*	*10/13/2004*	*10/13/2004*
					Not Validated	*Not Validated*	*Not Validated*	*Not Validated*		
Parameters	***Units***									
Volatile Organic Compounds										
1,1,1-Trichloroethane	mg/kg	0.012 U	0.03 U	0.011 U	0.013 U	0.0079 U	0.006 U	0.0078 U	0.012 U	0.006 U
1,1,2,2-Tetrachloroethane	mg/kg	0.012 U	0.03 U	0.011 U	0.013 U	0.0079 U	0.006 U	0.0078 U	0.012 U	0.006 U
1,1,2-Trichloroethane	mg/kg	0.012 U	0.03 U	0.011 U	0.013 U	0.0079 U	0.006 U	0.0078 U	0.012 U	0.006 U
1,1-Dichloroethane	mg/kg	0.012 U	0.03 U	0.011 U	0.013 U	0.0079 U	0.006 U	0.0078 U	0.012 U	0.006 U
1,1-Dichloroethene	mg/kg	0.012 U	0.03 U	0.011 U	0.013 U	0.0079 U	0.006 U	0.0078 U	0.012 U	0.006 U
1,2,4-Trichlorobenzene	mg/kg	0.012 UJ	0.03 UJ	0.011 UJ	0.013 U	0.0079 U	0.006 U	0.0078 U	0.012 UJ	0.006 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	0.024 UJ	0.061 UJ	0.022 UJ	0.026 U	0.016 U	0.012 U	0.016 U	0.024 UJ	0.012 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/kg	0.012 U	0.03 U	0.011 U	0.013 U	0.0079 U	0.006 U	0.0078 U	0.012 U	0.006 U
1,2-Dichlorobenzene	mg/kg	0.012 UJ	0.03 UJ	0.011 UJ	0.013 U	0.0079 U	0.006 U	0.0078 U	0.012 UJ	0.006 U
1,2-Dichloroethane	mg/kg	0.012 U	0.03 U	0.011 U	0.013 U	0.0079 U	0.006 U	0.0078 U	0.012 U	0.006 U
1,2-Dichloropropane	mg/kg	0.012 U	0.03 U	0.011 U	0.013 U	0.0079 U	0.006 U	0.0078 U	0.012 U	0.006 U
1,3-Dichlorobenzene	mg/kg	0.012 UJ	0.03 UJ	0.011 UJ	0.013 U	0.0079 U	0.006 U	0.0078 U	0.012 UJ	0.006 U
1,4-Dichlorobenzene	mg/kg	0.012 UJ	0.03 UJ	0.011 UJ	0.013 U	0.0079 U	0.006 U	0.0078 U	0.012 UJ	0.006 U
2-Butanone (Methyl Ethyl Ketone)	mg/kg	0.033 J	0.022 J	0.0057 J	0.052 U	0.031 U	0.024 U	0.0031 J	0.048 U	0.024 U
2-Hexanone	mg/kg	0.048 UJ	0.12 U	0.043 UJ	0.052 U	0.031 U	0.024 U	0.031 U	0.048 UJ	0.024 UJ
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/kg	0.048 U	0.12 U	0.043 U	0.052 U	0.031 U	0.024 U	0.031 U	0.048 U	0.024 U
Acetone	mg/kg	0.12 J	0.089 J	0.021 J	0.052 U	0.031 U	0.024 U	0.014 J	0.048 UJ	0.024 UJ
Benzene	mg/kg	0.012 U	0.03 U	0.00062 J	0.013 U	0.0079 U	0.006 U	0.00066 J	0.012 U	0.006 U
Bromodichloromethane	mg/kg	0.012 U	0.03 U	0.011 U	0.013 U	0.0079 U	0.006 U	0.0078 U	0.012 U	0.006 U
Bromoform	mg/kg	0.012 U	0.03 UJ	0.011 U	0.013 U	0.0079 U	0.006 U	0.0078 U	0.012 U	0.006 U
Bromomethane (Methyl Bromide)	mg/kg	0.012 U	0.03 UJ	0.011 U	0.013 U	0.0079 U	0.006 U	0.0078 U	0.012 U	0.006 U
Carbon disulfide	mg/kg	0.012 U	0.03 U	0.011 U	0.013 U	0.0079 U	0.006 U	0.0018 J	0.012 U	0.006 U
Carbon tetrachloride	mg/kg	0.012 U	0.03 UJ	0.011 U	0.013 U	0.0079 U	0.006 U	0.0078 U	0.012 U	0.006 U
Chlorobenzene	mg/kg	0.012 U	0.03 U	0.011 U	0.013 U	0.0079 U	0.006 U	0.0078 U	0.012 U	0.006 U
Chloroethane	mg/kg	0.012 U	0.03 U	0.011 U	0.013 U	0.0079 U	0.006 U	0.0078 U	0.012 U	0.006 U
Chloroform (Trichloromethane)	mg/kg	0.012 U	0.03 U	0.011 U	0.013 U	0.0079 U	0.006 U	0.0078 U	0.012 U	0.006 U
Chloromethane (Methyl Chloride)	mg/kg	0.012 U	0.03 U	0.011 U	0.013 U	0.0079 U	0.006 U	0.0078 U	0.012 U	0.006 U
cis-1,2-Dichloroethene	mg/kg	0.012 U	0.015 U	0.0028 J	0.013 U	0.0079 U	0.006 U	0.0061 J	0.012 U	0.00092 J
cis-1,3-Dichloropropene	mg/kg	0.012 U	0.03 U	0.011 U	0.013 U	0.0079 U	0.006 U	0.0078 U	0.012 U	0.006 U
Cyclohexane	mg/kg	0.024 U	0.061 U	0.022 U	0.026 U	0.016 U	0.012 U	0.0008 J	0.024 U	0.012 U
Dibromochloromethane	mg/kg	0.012 U	0.03 U	0.011 U	0.013 U	0.0079 U	0.006 U	0.0078 U	0.012 U	0.006 U
Dichlorodifluoromethane (CFC-12)	mg/kg	0.012 U	0.03 UJ	0.011 U	0.013 U	0.0079 U	0.006 U	0.0078 U	0.012 U	0.006 U
Ethylbenzene	mg/kg	0.012 U	0.03 U	0.011 U	0.013 U	0.0079 U	0.006 U	0.0078 U	0.0033 J	0.006 U
Isopropylbenzene	mg/kg	0.012 U	0.03 U	0.011 U	0.013 U	0.0079 U	0.006 U	0.0078 U	0.012 U	0.006 U
Methyl acetate	mg/kg	0.024 U	0.061 U	0.022 U	0.026 U	0.016 U	0.012 U	0.016 U	0.024 U	0.012 U
Methyl cyclohexane	mg/kg	0.024 U	0.061 U	0.022 U	0.026 U	0.016 U	0.012 U	0.016 U	0.024 U	0.012 U
Methyl Tert Butyl Ether	mg/kg	0.048 U	0.12 U	0.043 U	0.052 U	0.031 U	0.024 U	0.031 U	0.048 U	0.024 U
Methylene chloride	mg/kg	0.012 U	0.03 U	0.011 U	0.0068 J B	0.0036 J B	0.006 U	0.0049 J B	0.012 U	0.006 U
Styrene	mg/kg	0.012 U	0.03 U	0.011 U	0.013 U	0.0079 U	0.006 U	0.0078 U	0.012 U	0.006 U
Tetrachloroethene	mg/kg	0.012 U	0.03 U	0.011 U	0.013 U	0.0079 U	0.006 U	0.0075 J	0.052	0.006 U
Toluene	mg/kg	0.042	0.03 U	0.0038 J	0.013 U	0.0079 U	0.006 U	0.00079 J	0.012 U	0.006 U
trans-1,2-Dichloroethene	mg/kg	0.012 U	0.015 U	0.011 U	0.013 U	0.0079 U	0.006 U	0.0078 U	0.012 U	0.006 U
trans-1,3-Dichloropropene	mg/kg	0.012 U	0.03 U	0.011 U	0.013 U	0.0079 U	0.006 U	0.0078 U	0.012 U	0.006 U
Trichloroethene	mg/kg	0.0019 J	0.03 U	0.0026 J	0.013 U	0.00092 J	0.006 U	0.0035 J	0.0025 J	0.00096 J
Trichlorofluoromethane (CFC-11)	mg/kg	0.012 U	0.03 UJ	0.011 U	0.21	0.0079 U	0.0014 J	0.0025 J	0.012 U	0.006 U
Trifluorotrichloroethane (Freon 113)	mg/kg	0.012 U	0.03 U	0.011 U	0.013 U	0.0079 U	0.006 U	0.0078 U	0.012 U	0.006 U
Vinyl chloride	mg/kg	0.012 U	0.03 U	0.011 U	0.013 U	0.0079 U	0.006 U	0.0078 U	0.012 U	0.006 U
Xylene (total)	mg/kg	0.024 U	0.061 U	0.0018 J	0.026 U	0.016 U	0.012 U	0.016 U	0.014 J	0.012 U

TABLE 1a

ANALYTICAL RESULTS SUMMARY
STORM SEWER SEDIMENT
HARRISON DAYTON

Sample Location:		*INT-5*	*MH-26/INT-6*	*MH-26/INT-6*	*MH-1*	*MH-2*	*MH-3*	*MH-4*	*MH-5*	*MH-6*
Sample ID:		*SESS-101304-NZ-001*	*SE-040802-SLE-008*	*SESS-101304-NZ-002*	*SESS-101005-LB-001*	*SESS-101005-LB-002*	*SESS-101005-LB-003*	*SESS-101005-LB-004*	*SESS-101304-NZ-018*	*SESS-101304-NZ-017*
Sample Date:		*10/13/2004*	*4/8/2002*	*10/13/2004*	*10/10/2005*	*10/10/2005*	*10/10/2005*	*10/10/2005*	*10/13/2004*	*10/13/2004*
					Not Validated	*Not Validated*	*Not Validated*	*Not Validated*		
Parameters	*Units*									
Semi-Volatile Organic Compounds										
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/kg	130 U	1.1 U	7.1 U	11 U	4.1 U	4.1 U	100 U	40 U	10 U
2,4,5-Trichlorophenol	mg/kg	130 U	1.1 U	7.1 U	11 U	4.1 U	4.1 U	100 U	40 U	10 U
2,4,6-Trichlorophenol	mg/kg	130 U	1.1 U	7.1 U	11 U	4.1 U	4.1 U	100 U	40 U	10 U
2,4-Dichlorophenol	mg/kg	130 U	1.1 U	7.1 U	11 U	4.1 U	4.1 U	100 U	40 U	10 U
2,4-Dimethylphenol	mg/kg	130 U	1.1 U	7.1 U	11 U	4.1 U	4.1 U	100 U	40 U	10 U
2,4-Dinitrophenol	mg/kg	630 U	5.4 U	34 U	55 U	20 U	20 U	500 U	190 U	48 U
2,4-Dinitrotoluene	mg/kg	130 U	1.1 U	7.1 U	11 U	4.1 U	4.1 U	100 U	40 U	10 U
2,6-Dinitrotoluene	mg/kg	130 U	1.1 U	7.1 U	11 U	4.1 U	4.1 U	100 U	40 U	10 U
2-Chloronaphthalene	mg/kg	130 U	1.1 U	7.1 U	11 U	4.1 U	4.1 U	100 U	40 U	10 U
2-Chlorophenol	mg/kg	130 U	1.1 U	7.1 U	11 U	4.1 U	4.1 U	100 U	40 U	10 U
2-Methylnaphthalene	mg/kg	130 U	1.1 U	0.57 J	0.66 J	0.27 J	4.1 U	100 U	5 J	0.85 J
2-Methylphenol	mg/kg	130 U	1.1 U	7.1 U	11 U	4.1 U	4.1 U	100 U	40 U	10 U
2-Nitroaniline	mg/kg	630 U	5.4 UJ	34 U	55 U	20 U	20 U	500 U	190 U	48 U
2-Nitrophenol	mg/kg	130 U	1.1 U	7.1 U	11 U	4.1 U	4.1 U	100 U	40 U	10 U
3,3'-Dichlorobenzidine	mg/kg	630 U	5.4 U	34 U	55 U	20 U	20 U	500 U	190 U	48 U
3-Nitroaniline	mg/kg	630 U	5.4 UJ	34 U	55 U	20 U	20 U	500 U	190 U	48 U
4,6-Dinitro-2-methylphenol	mg/kg	630 U	5.4 U	34 U	55 U	20 U	20 U	500 U	190 U	48 U
4-Bromophenyl phenyl ether	mg/kg	130 U	1.1 U	7.1 U	11 U	4.1 U	4.1 U	100 U	40 U	10 U
4-Chloro-3-methylphenol	mg/kg	130 U	1.1 U	7.1 U	11 U	4.1 U	4.1 U	100 U	40 U	10 U
4-Chloroaniline	mg/kg	130 U	1.1 U	7.1 U	11 U	4.1 U	4.1 U	100 U	40 U	10 U
4-Chlorophenyl phenyl ether	mg/kg	130 U	1.1 U	7.1 U	11 U	4.1 U	4.1 U	100 U	40 U	10 U
4-Methylphenol	mg/kg	130 U	1.1 U	7.1 U	11 U	4.1 U	4.1 U	100 U	40 U	10 U
4-Nitroaniline	mg/kg	630 U	5.4 U	34 U	55 U	20 U	20 U	500 U	190 U	48 U
4-Nitrophenol	mg/kg	630 U	5.4 UJ	34 U	55 U	20 U	20 U	500 U	190 U	48 U
Acenaphthene	mg/kg	130 U	0.24 J	1 J	2.9 J	1.7 J	0.31 J	100 U	21 J	2.6 J
Acenaphthylene	mg/kg	130 U	1.1 U	7.1 U	11 U	4.1 U	4.1 U	100 U	40 U	10 U
Acetophenone	mg/kg	130 U	1.1 U	7.1 U	11 U	4.1 U	4.1 U	100 U	40 U	10 U
Anthracene	mg/kg	130 U	0.8 J	2 J	6.4 J	3.6 J	0.75 J	100 U	29 J	2.6 J
Atrazine	mg/kg	130 U	1.1 U	7.1 U	11 U	4.1 U	4.1 U	100 U	40 U	10 U
Benzaldehyde	mg/kg	130 U	1.1 U	7.1 U	11 U	4.1 U	4.1 U	100 U	40 U	10 U
Benzo(a)anthracene	mg/kg	130 U	3	7.1	18	7.7	1.6 J	7.9 J	33 J	7 J
Benzo(a)pyrene	mg/kg	130 U	3.9	7.2	16	6.5	1.6 J	6.9 J	27 J	6.6 J
Benzo(b)fluoranthene	mg/kg	9.6 J	4.3	11	20	7.6	2 J	7.6 J	39 J	9 J
Benzo(g,h,i)perylene	mg/kg	130 U	2.4	5.3 J	9.3 J	3.6 J	0.95 J	4.1 J	15 J	4.1 J
Benzo(k)fluoranthene	mg/kg	130 U	2.8	3 J	10 J	4.2	1.1 J	4.9 J	12 J	3.9 J
Biphenyl	mg/kg	130 U	1.1 U	7.1 U	11 U	4.1 U	4.1 U	100 U	40 U	10 U
bis(2-Chloroethoxy)methane	mg/kg	130 U	1.1 U	7.1 U	11 U	4.1 U	4.1 U	100 U	40 U	10 U
bis(2-Chloroethyl)ether	mg/kg	130 U	1.1 U	7.1 U	11 U	4.1 U	4.1 U	100 U	40 U	10 U
bis(2-Ethylhexyl)phthalate	mg/kg	130 U	7.8	2.4 J	7.1 J	2.1 J	0.9 J	1400	9.6 J	10 U
Butyl benzylphthalate	mg/kg	130 U	1.1 U	7.1 U	1 J	4.1 U	4.1 U	100 U	5 J	10 U
Caprolactam	mg/kg	130 U	1.1 U	7.1 U	11 U	4.1 U	4.1 U	100 U	40 U	10 U
Carbazole	mg/kg	130 U	0.61 J	1.5 J	5.1 J	2.5 J	0.47 J	100 U	17 J	3.2 J
Chrysene	mg/kg	6.3 J	3.9	7.7	19	7.2	1.8 J	7.5 J	35 J	7.8 J
Dibenz(a,h)anthracene	mg/kg	130 U	0.7 J	1.1 J	2.3 J	0.84 J	0.25 J	100 U	3 J	1.2 J
Dibenzofuran	mg/kg	130 U	1.1 U	0.55 J	2.1 J	1.2 J	0.23 J	100 U	14 J	1.9 J
Diethyl phthalate	mg/kg	130 U	1.1 U	7.1 U	11 U	4.1 U	4.1 U	100 U	40 U	10 U
Dimethyl phthalate	mg/kg	130 U	1.1 U	7.1 U	11 U	4.1 U	4.1 U	100 U	40 U	10 U

TABLE 1a

ANALYTICAL RESULTS SUMMARY
STORM SEWER SEDIMENT
HARRISON DAYTON

Sample Location:		*INT-5*	*MH-26/INT-6*	*MH-26/INT-6*	*MH-1*	*MH-2*	*MH-3*	*MH-4*	*MH-5*	*MH-6*
Sample ID:		*SESS-101304-NZ-001*	*SE-040802-SLE-008*	*SESS-101304-NZ-002*	*SESS-101005-LB-001*	*SESS-101005-LB-002*	*SESS-101005-LB-003*	*SESS-101005-LB-004*	*SESS-101304-NZ-018*	*SESS-101304-NZ-017*
Sample Date:		*10/13/2004*	*4/8/2002*	*10/13/2004*	*10/10/2005*	*10/10/2005*	*10/10/2005*	*10/10/2005*	*10/13/2004*	*10/13/2004*
					Not Validated	*Not Validated*	*Not Validated*	*Not Validated*		
Parameters	***Units***									
Di-n-butylphthalate	mg/kg	130 U	1.1 U	7.1 U	11 U	4.1 U	4.1 U	100 U	40 U	10 U
Di-n-octyl phthalate	mg/kg	130 U	1.1 U	7.1 U	11 U	4.1 U	4.1 U	230	40 U	10 U
Fluoranthene	mg/kg	130 U	7.7	17	48	20	4.5	20 J	110	23
Fluorene	mg/kg	130 U	0.23 J	1.1 J	3.3 J	2 J	0.37 J	100 U	22 J	2.9 J
Hexachlorobenzene	mg/kg	130 U	1.1 U	7.1 U	11 U	4.1 U	4.1 U	100 U	40 U	10 U
Hexachlorobutadiene	mg/kg	130 U	1.1 U	7.1 U	11 U	4.1 U	4.1 U	100 U	40 U	10 U
Hexachlorocyclopentadiene	mg/kg	630 U	5.4 U	34 U	55 U	20 U	20 U	500 U	190 U	48 U
Hexachloroethane	mg/kg	130 U	1.1 U	7.1 U	11 U	4.1 U	4.1 U	100 U	40 U	10 U
Indeno(1,2,3-cd)pyrene	mg/kg	130 U	2.4	4.5 J	7.8 J	3.2 J	0.83 J	100 U	14 J	3.6 J
Isophorone	mg/kg	130 U	1.1 U	7.1 U	11 U	4.1 U	4.1 U	100 U	40 U	10 U
Naphthalene	mg/kg	130 U	1.1 U	7.1 U	0.69 J	0.28 J	4.1 U	100 U	7 J	1.5 J
Nitrobenzene	mg/kg	130 U	1.1 U	7.1 U	11 U	4.1 U	4.1 U	100 U	40 U	10 U
N-Nitrosodi-n-propylamine	mg/kg	130 U	1.1 UJ	7.1 U	11 U	4.1 U	4.1 U	100 U	40 U	10 U
N-Nitrosodiphenylamine	mg/kg	130 U	1.1 U	7.1 U	11 U	4.1 U	4.1 U	100 U	40 U	10 U
Pentachlorophenol	mg/kg	130 U	1.1 U	7.1 U	11 U	4.1 U	4.1 U	100 U	40 U	10 U
Phenanthrene	mg/kg	130 U	4	10	34	17	3.3 J	18 J	130	23
Phenol	mg/kg	130 U	1.1 U	7.1 U	11 U	4.1 U	4.1 U	100 U	40 U	10 U
Pyrene	mg/kg	7.8 J	6.2	14	37	15	3.3 J	15 J	77	16
Metals										
Antimony	mg/kg	1.8 J	2.0 J	1.0 J	1.0 B	0.73 B	0.45 B	1.4 B	3.7 J	9.8 J
Arsenic	mg/kg	5.4	8.3	8.0	5.7	4.4	4.4	6.1	10.8	5.5
Barium	mg/kg	36.4 J	121	88.7	127 J	84.1 J	69.6 J	440 J	352	25.3
Beryllium	mg/kg	1.2 U	0.59 J	0.17 J	0.86 U	0.62 U	0.26 B	0.77 U	0.15 J	0.044 J
Cadmium	mg/kg	17.2	6.0	2.7	5.9	6.4	6.0	5.3	21.9	2.1
Chromium Total	mg/kg	44.1	126	53.7	54.8 J	106 J	119 J	82.1 J	128	15.1
Cobalt	mg/kg	3.8 J	8.7 J	5.4 J	4.1 B	5.8 B	5.2 B	5.2 B	12.7	2.7 J
Copper	mg/kg	214	185	120	126	127	173	430	1320	47.5
Cyanide (total)	mg/kg	0.55 J	6.5	1.5	0.86 U	0.62 U	0.63 U	0.39 B	0.73 J	0.60 U
Lead	mg/kg	502	343	202	145	80.5	108	222	411	44.5
Manganese	mg/kg	93.2	280	315	216 J	448 J	357 J	343 J	308	329
Mercury	mg/kg	0.11 J	0.53	0.37	0.56	0.22	0.39	0.41	0.98	0.12 U
Nickel	mg/kg	13.9 J	28.6	21.1 J	20.4	81.6	94.8	55.4	70.4 J	7.0 J
Selenium	mg/kg	0.81 J	2.9	1.3 U	0.24 B	0.62 U	0.63 U	0.28 B	5.1	0.60 U
Silver	mg/kg	0.68 J	0.81 J	0.62 J	0.57 B	1.2 U	1.3 U	1.4 B	7.5	1.2 U
Thallium	mg/kg	2.4 U	2.5 U	2.2 U	0.063 B	0.025 B	0.051 B	0.14 B	2.4 U	1.2 U
Vanadium	mg/kg	8.2 J	24.9	18.6	9.4	12.2	9.5	14.4	21.6	5.1 J
Zinc	mg/kg	1790	2410	1290	2370	330	170	1060	2290	2700
PCBs										
Aroclor-1016 (PCB-1016)	mg/kg	0.08 U	0.083 U	0.071 U	5.7 U	0.041 U	0.041 U	0.051 U	1.6 U	0.04 U
Aroclor-1221 (PCB-1221)	mg/kg	0.08 U	0.083 U	0.071 U	5.7 U	0.041 U	0.041 U	0.051 U	1.6 U	0.04 U
Aroclor-1232 (PCB-1232)	mg/kg	0.08 U	0.083 U	0.071 U	5.7 U	0.041 U	0.041 U	0.051 U	1.6 U	0.04 U
Aroclor-1242 (PCB-1242)	mg/kg	0.08 U	0.083 U	0.071 U	81	0.041 U	0.041 U	0.051 U	1.6 U	0.04 U
Aroclor-1248 (PCB-1248)	mg/kg	0.08 U	0.083 U	0.071 U	5.7 U	0.31	0.25	0.17	13	0.04 U
Aroclor-1254 (PCB-1254)	mg/kg	0.08 U	0.28	0.12	5.7 U	0.041 U	0.041 U	0.051 U	1.6 U	0.19 J
Aroclor-1260 (PCB-1260)	mg/kg	0.42	0.083 U	0.071 U	5.7 U	0.24	0.2	0.31	1.6 U	0.04 U
Total PCBs	mg/kg	-	-	-	-	-	-	-	-	-

TABLE 1a

ANALYTICAL RESULTS SUMMARY
STORM SEWER SEDIMENT
HARRISON DAYTON

Sample Location:		*INT-5*	*MH-26/INT-6*	*MH-26/INT-6*	*MH-1*	*MH-2*	*MH-3*	*MH-4*	*MH-5*	*MH-6*
Sample ID:		*SESS-101304-NZ-001*	*SE-040802-SLE-008*	*SESS-101304-NZ-002*	*SESS-101005-LB-001*	*SESS-101005-LB-002*	*SESS-101005-LB-003*	*SESS-101005-LB-004*	*SESS-101304-NZ-018*	*SESS-101304-NZ-017*
Sample Date:		*10/13/2004*	*4/8/2002*	*10/13/2004*	*10/10/2005*	*10/10/2005*	*10/10/2005*	*10/10/2005*	*10/13/2004*	*10/13/2004*
					Not Validated	*Not Validated*	*Not Validated*	*Not Validated*		
Parameters	*Units*									
General Chemistry										
Total Solids	%	41.5	39.7	46.4	58.4	80.0	79.7	64.6	41.4	82.8

Notes:
U - Not present at or above the associated value.
J - Estimated concentration.
UJ - Estimated reporting limit.
R - Rejected.

TABLE 1a

ANALYTICAL RESULTS SUMMARY
STORM SEWER SEDIMENT
HARRISON DAYTON

Sample Location:		*MH-7*	*MH-7*	*MH-8*	*MH-8*	*MH-9*	*MH-9*	*MH-10*	*MH-10*	*MH-11*
Sample ID:		*SE-040402-SLE-001*	*SESS-101304-NZ-016*	*SE-040402-SLE-002*	*SESS-101304-NZ-013*	*SE-040502-SLE-003*	*SESS-101304-NZ-012*	*SESS-102405-JC-0009*	*SESS-102405-JC-0010*	*SE-040502-SLE-004*
Sample Date:		*4/4/2002*	*10/13/2004*	*4/4/2002*	*10/13/2004*	*4/5/2002*	*10/13/2004*	*10/24/2005*	*10/24/2005*	*4/5/2002*
									Duplicate	
								Not Validated	*Not Validated*	
Parameters	***Units***									
Volatile Organic Compounds										
1,1,1-Trichloroethane	mg/kg	0.29 U	0.0058 U	0.0069 U	0.0058 U	0.48 U	0.0082 U	0.0061 U	0.007 U	0.0065 U
1,1,2,2-Tetrachloroethane	mg/kg	0.29 U	0.0058 U	0.0069 U	0.0058 U	0.48 U	0.0082 U	0.0061 U	0.007 U	0.0065 U
1,1,2-Trichloroethane	mg/kg	0.29 U	0.0058 U	0.0069 U	0.0058 U	0.48 U	0.0082 U	0.0061 U	0.007 U	0.0065 U
1,1-Dichloroethane	mg/kg	0.29 U	0.0058 U	0.0069 U	0.0058 U	0.48 U	0.0082 U	0.0061 U	0.007 U	0.0065 U
1,1-Dichloroethene	mg/kg	0.29 U	0.0058 U	0.0069 U	0.0058 U	0.48 U	0.0082 U	0.0061 U	0.007 U	0.0065 U
1,2,4-Trichlorobenzene	mg/kg	0.29 U	0.0058 U	0.0069 U	0.0058 U	0.48 U	0.0082 UJ	0.0061 U	0.007 U	0.0065 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	0.57 U	0.012 U	0.014 U	0.012 U	0.97 U	0.016 UJ	0.012 U	0.014 U	0.013 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/kg	0.29 U	0.0058 U	0.0069 U	0.0058 U	0.48 U	0.0082 U	0.0061 U	0.007 U	0.0065 U
1,2-Dichlorobenzene	mg/kg	0.29 U	0.0058 U	0.0069 U	0.0058 U	0.48 U	0.0082 UJ	0.0061 U	0.007 U	0.0065 U
1,2-Dichloroethane	mg/kg	0.29 U	0.0058 U	0.0069 U	0.0058 U	0.48 U	0.0082 U	0.0061 U	0.007 U	0.0065 U
1,2-Dichloropropane	mg/kg	0.29 U	0.0058 U	0.0069 U	0.0058 U	0.48 U	0.0082 U	0.0061 U	0.007 U	0.0065 U
1,3-Dichlorobenzene	mg/kg	0.29 U	0.0058 U	0.0069 U	0.0058 U	0.48 U	0.0082 UJ	0.0061 U	0.007 U	0.0065 U
1,4-Dichlorobenzene	mg/kg	0.29 U	0.0058 U	0.0011 J	0.0058 U	0.48 U	0.0082 UJ	0.0061 U	0.007 U	0.0065 U
2-Butanone (Methyl Ethyl Ketone)	mg/kg	1.1 U	0.023 U	0.028 U	0.023 U	1.9 U	0.033 U	0.024 U	0.028 U	0.026 U
2-Hexanone	mg/kg	1.1 U	0.023 UJ	0.028 U	0.023 UJ	1.9 U	0.033 U	0.024 U	0.028 U	0.026 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/kg	1.1 U	0.023 U	0.028 U	0.023 U	1.9 U	0.033 U	0.024 U	0.028 U	0.026 U
Acetone	mg/kg	1.1 U	0.023 UJ	0.028 UJ	0.023 UJ	1.9 U	0.0094 J	0.024 U	0.028 U	0.026 UJ
Benzene	mg/kg	0.29 U	0.0058 U	0.0069 U	0.0058 U	0.48 U	0.0082 U	0.0061 U	0.007 U	0.0065 U
Bromodichloromethane	mg/kg	0.29 U	0.0058 U	0.0069 U	0.0058 U	0.48 U	0.0082 U	0.0061 U	0.007 U	0.0065 U
Bromoform	mg/kg	0.29 U	0.0058 U	0.0069 UJ	0.0058 U	0.48 U	0.0082 U	0.0061 U	0.007 U	0.0065 UJ
Bromomethane (Methyl Bromide)	mg/kg	0.29 U	0.0058 U	0.0069 UJ	0.0058 U	0.48 U	0.0082 U	0.0061 U	0.007 U	0.0065 UJ
Carbon disulfide	mg/kg	0.29 U	0.0058 U	0.0069 U	0.0058 U	0.48 U	0.0082 U	0.0061 U	0.007 U	0.0065 U
Carbon tetrachloride	mg/kg	0.29 U	0.0058 U	0.0069 UJ	0.0058 U	0.48 U	0.0082 U	0.0061 U	0.007 U	0.0065 UJ
Chlorobenzene	mg/kg	0.29 U	0.0058 U	0.0069 U	0.0058 U	0.48 U	0.0082 U	0.0061 U	0.007 U	0.0065 U
Chloroethane	mg/kg	0.29 U	0.0058 U	0.0069 U	0.0058 U	0.48 U	0.0082 U	0.0061 U	0.007 U	0.0065 U
Chloroform (Trichloromethane)	mg/kg	0.29 U	0.0058 U	0.0069 U	0.0058 U	0.48 U	0.0082 U	0.0061 U	0.007 U	0.0065 U
Chloromethane (Methyl Chloride)	mg/kg	0.29 U	0.0058 U	0.0069 U	0.0058 U	0.48 U	0.0082 U	0.0061 U	0.007 U	0.0065 U
cis-1,2-Dichloroethene	mg/kg	0.14 U	0.0058 U	0.0035 U	0.0058 U	0.24 U	0.0073 J	0.001 J	0.00095 J	0.0028 J
cis-1,3-Dichloropropene	mg/kg	0.29 U	0.0058 U	0.0069 U	0.0058 U	0.48 U	0.0082 U	0.0061 U	0.007 U	0.0065 U
Cyclohexane	mg/kg	0.57 U	0.012 U	0.014 U	0.012 U	0.97 U	0.016 U	0.012 U	0.014 U	0.013 U
Dibromochloromethane	mg/kg	0.29 U	0.0058 U	0.0069 U	0.0058 U	0.48 U	0.0082 U	0.0061 U	0.007 U	0.0065 U
Dichlorodifluoromethane (CFC-12)	mg/kg	0.29 UJ	0.0058 U	0.0069 U	0.0058 U	0.48 UJ	0.0082 UJ	0.0061 U	0.007 U	0.0065 U
Ethylbenzene	mg/kg	0.29 U	0.0058 U	0.0069 U	0.0058 U	0.48 U	0.0082 U	0.0061 U	0.007 U	0.0065 U
Isopropylbenzene	mg/kg	0.29 U	0.0058 U	0.0069 U	0.0058 U	0.48 U	0.0082 U	0.0061 U	0.007 U	0.0065 U
Methyl acetate	mg/kg	0.066 J	0.012 U	0.014 U	0.012 U	0.42 J	0.016 U	0.012 U	0.014 U	0.013 U
Methyl cyclohexane	mg/kg	0.57 U	0.012 U	0.014 U	0.012 U	0.97 U	0.016 U	0.012 U	0.014 U	0.013 U
Methyl Tert Butyl Ether	mg/kg	1.1 U	0.023 U	0.028 U	0.023 U	1.9 U	0.033 U	0.024 U	0.028 U	0.026 U
Methylene chloride	mg/kg	0.29 U	0.0058 U	0.0069 U	0.0058 U	0.48 U	0.0057 J	0.0061 U	0.007 U	0.0065 U
Styrene	mg/kg	0.29 U	0.0058 U	0.0069 U	0.0058 U	0.48 U	0.0082 U	0.0061 U	0.007 U	0.0065 U
Tetrachloroethene	mg/kg	0.43	0.0058 U	0.036	0.0082	3.7	0.13	0.0042 J	0.0061 J	0.02
Toluene	mg/kg	0.29 U	0.0058 U	0.0069 U	0.0058 U	0.48 U	0.0082 U	0.0061 U	0.007 U	0.0065 U
trans-1,2-Dichloroethene	mg/kg	0.14 U	0.0058 U	0.0035 U	0.0058 U	0.24 U	0.0082 U	0.0061 U	0.007 U	0.0032 U
trans-1,3-Dichloropropene	mg/kg	0.29 U	0.0058 U	0.0069 U	0.0058 U	0.48 U	0.0082 U	0.0061 U	0.007 U	0.0065 U
Trichloroethene	mg/kg	0.29 U	0.0058 U	0.0069 U	0.0058 U	0.076 J	0.012	0.001 J	0.00096 J	0.0029 J
Trichlorofluoromethane (CFC-11)	mg/kg	0.29 U	0.0058 U	0.0069 U	0.0058 U	0.48 U	0.0082 U	0.0013 J	0.0016 J	0.0065 U
Trifluorotrichloroethane (Freon 113)	mg/kg	0.29 U	0.0058 U	0.0069 U	0.0058 U	0.48 U	0.0082 U	0.0061 U	0.007 U	0.0065 U
Vinyl chloride	mg/kg	0.29 U	0.0058 U	0.0069 U	0.0058 U	0.48 U	0.0082 U	0.0061 U	0.007 U	0.0065 U
Xylene (total)	mg/kg	0.57 U	0.012 U	0.014 U	0.012 U	0.97 U	0.016 U	0.012 U	0.014 U	0.013 U

TABLE 1a

ANALYTICAL RESULTS SUMMARY
STORM SEWER SEDIMENT
HARRISON DAYTON

Sample Location:		MH-7	MH-7	MH-8	MH-8	MH-9	MH-9	MH-10	MH-10	MH-11
Sample ID:		SE-040402-SLE-001	SESS-101304-NZ-016	SE-040402-SLE-002	SESS-101304-NZ-013	SE-040502-SLE-003	SESS-101304-NZ-012	SESS-102405-JC-0009	SESS-102405-JC-0010	SE-040502-SLE-004
Sample Date:		4/4/2002	10/13/2004	4/4/2002	10/13/2004	4/5/2002	10/13/2004	10/24/2005	10/24/2005	4/5/2002
									Duplicate	
								Not Validated	Not Validated	
Parameters	Units									
Semi-Volatile Organic Compounds										
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/kg	0.4 U	3.9 U	0.79 U	1.4 U	1.6 U	27 U	1.6 U	2.1 U	-
2,4,5-Trichlorophenol	mg/kg	0.4 U	3.9 U	0.79 U	1.4 U	1.6 U	27 U	1.6 U	2.1 U	-
2,4,6-Trichlorophenol	mg/kg	0.4 U	3.9 U	0.79 U	1.4 U	1.6 U	27 U	1.6 U	2.1 U	-
2,4-Dichlorophenol	mg/kg	0.4 U	3.9 U	0.79 U	1.4 U	1.6 U	27 U	1.6 U	2.1 U	-
2,4-Dimethylphenol	mg/kg	0.4 U	3.9 U	0.79 U	1.4 U	1.6 U	27 U	1.6 U	2.1 U	-
2,4-Dinitrophenol	mg/kg	1.9 U	19 U	3.8 U	6.5 U	7.6 UJ	130 U	7.9 U	9.9 U	-
2,4-Dinitrotoluene	mg/kg	0.4 U	3.9 U	0.79 U	1.4 U	1.6 U	27 U	1.6 U	2.1 U	-
2,6-Dinitrotoluene	mg/kg	0.4 U	3.9 U	0.79 U	1.4 U	1.6 U	27 U	1.6 U	2.1 U	-
2-Chloronaphthalene	mg/kg	0.4 U	3.9 U	0.79 U	1.4 U	1.6 U	27 U	1.6 U	2.1 U	-
2-Chlorophenol	mg/kg	0.4 U	3.9 U	0.79 U	1.4 U	1.6 U	27 U	1.6 U	2.1 U	-
2-Methylnaphthalene	mg/kg	0.4 U	3.9 U	0.27 J	0.1 J	1.6 U	27 U	1.6 U	0.097 J	-
2-Methylphenol	mg/kg	0.4 U	3.9 U	0.79 U	1.4 U	1.6 U	27 U	1.6 U	2.1 U	-
2-Nitroaniline	mg/kg	1.9 U	19 U	3.8 U	6.5 U	7.6 U	130 U	7.9 U	9.9 U	-
2-Nitrophenol	mg/kg	0.4 U	3.9 U	0.79 U	1.4 U	1.6 U	27 U	1.6 U	2.1 U	-
3,3'-Dichlorobenzidine	mg/kg	1.9 U	19 U	3.8 U	6.5 U	7.6 U	130 U	7.9 U	9.9 U	-
3-Nitroaniline	mg/kg	1.9 U	19 U	3.8 U	6.5 U	7.6 U	130 U	7.9 U	9.9 U	-
4,6-Dinitro-2-methylphenol	mg/kg	1.9 U	19 U	3.8 U	6.5 U	7.6 U	130 U	7.9 U	9.9 U	-
4-Bromophenyl phenyl ether	mg/kg	0.4 U	3.9 U	0.79 U	1.4 U	1.6 U	27 U	1.6 U	2.1 U	-
4-Chloro-3-methylphenol	mg/kg	0.4 U	3.9 U	0.79 U	1.4 U	1.6 U	27 U	1.6 U	2.1 U	-
4-Chloroaniline	mg/kg	0.4 U	3.9 U	0.79 U	1.4 U	1.6 U	27 U	1.6 U	2.1 U	-
4-Chlorophenyl phenyl ether	mg/kg	0.4 U	3.9 U	0.79 U	1.4 U	1.6 U	27 U	1.6 U	2.1 U	-
4-Methylphenol	mg/kg	0.4 U	3.9 U	0.79 U	1.4 U	1.6 U	27 U	1.6 U	2.1 U	-
4-Nitroaniline	mg/kg	1.9 U	19 U	3.8 U	6.5 U	7.6 U	130 U	7.9 U	9.9 U	-
4-Nitrophenol	mg/kg	1.9 U	19 U	3.8 U	6.5 U	7.6 U	130 U	7.9 U	9.9 U	-
Acenaphthene	mg/kg	0.4 U	3.9 U	0.56 J	0.37 J	1.6 U	27 U	1.6 U	2.1 U	-
Acenaphthylene	mg/kg	0.4 U	3.9 U	0.79 U	0.13 J	1.6 U	27 U	1.6 U	2.1 U	-
Acetophenone	mg/kg	0.4 U	3.9 U	0.79 U	1.4 U	1.6 U	27 U	1.6 U	2.1 U	-
Anthracene	mg/kg	0.4 U	0.38 J	0.67 J	0.56 J	0.3 J	27 U	0.054 J	0.49 J	-
Atrazine	mg/kg	0.4 U	3.9 U	0.79 U	1.4 U	1.6 U	27 U	1.6 U	2.1 U	-
Benzaldehyde	mg/kg	0.4 U	3.9 U	0.79 U	1.4 U	1.6 U	27 U	1.6 U	2.1 U	-
Benzo(a)anthracene	mg/kg	0.15 J	0.7 J	1.3	1.6	0.86 J	27 U	0.19 J	1.2 J	-
Benzo(a)pyrene	mg/kg	0.19 J	0.79 J	1.2	1.6	0.87 J	27 U	0.12 J	0.79 J	-
Benzo(b)fluoranthene	mg/kg	0.24 J	1.3 J	1.7	3.1	1 J	2.1 J	0.21 J	1.2 J	-
Benzo(g,h,i)perylene	mg/kg	0.11 J	0.83 J	0.48 J	0.93 J	0.7 J	27 U	0.1 J	0.52 J	-
Benzo(k)fluoranthene	mg/kg	0.16 J	0.44 J	0.79	0.49 J	0.6 J	27 U	0.071 J	0.46 J	-
Biphenyl	mg/kg	0.4 U	3.9 U	0.79 U	1.4 U	1.6 U	27 U	1.6 U	2.1 U	-
bis(2-Chloroethoxy)methane	mg/kg	0.4 U	3.9 U	0.79 U	1.4 U	1.6 U	27 U	1.6 U	2.1 U	-
bis(2-Chloroethyl)ether	mg/kg	0.4 U	3.9 U	0.79 U	1.4 U	1.6 U	27 U	1.6 U	0.34 J	-
bis(2-Ethylhexyl)phthalate	mg/kg	0.19 J	1.3 J	4.7	2.9	0.38 J	12 J	0.49 J	0.68 J	-
Butyl benzylphthalate	mg/kg	0.4 U	1.4 J	5.6	1.4 U	0.27 J	18 J	1.6 U	0.53 J	-
Caprolactam	mg/kg	0.4 UJ	3.9 U	0.79 UJ	1.4 U	1.6 U	27 U	0.11 J B	0.14 J B	-
Carbazole	mg/kg	0.4 U	3.9 U	0.78 J	0.52 J	0.29 J	27 U	1.6 U	0.32 J	-
Chrysene	mg/kg	0.21 J	0.95 J	1.6	1.8	1.1 J	1.8 J	0.22 J	1.2 J	-
Dibenz(a,h)anthracene	mg/kg	0.4 U	3.9 U	0.15 J	0.25 J	1.6 U	27 U	1.6 U	0.11 J	-
Dibenzofuran	mg/kg	0.4 U	3.9 U	0.68 J	0.21 J	1.6 U	27 U	1.6 U	0.19 J	-
Diethyl phthalate	mg/kg	0.4 U	3.9 U	0.79 U	1.4 U	1.6 U	27 U	1.6 U	2.1 U	-
Dimethyl phthalate	mg/kg	0.4 U	3.9 U	0.79 U	1.4 U	1.6 U	27 U	1.6 U	2.1 U	-

TABLE 1a

ANALYTICAL RESULTS SUMMARY
STORM SEWER SEDIMENT
HARRISON DAYTON

Sample Location:		*MH-7*	*MH-7*	*MH-8*	*MH-8*	*MH-9*	*MH-9*	*MH-10*	*MH-10*	*MH-11*
Sample ID:		*SE-040402-SLE-001*	*SESS-101304-NZ-016*	*SE-040402-SLE-002*	*SESS-101304-NZ-013*	*SE-040502-SLE-003*	*SESS-101304-NZ-012*	*SESS-102405-JC-0009*	*SESS-102405-JC-0010*	*SE-040502-SLE-004*
Sample Date:		*4/4/2002*	*10/13/2004*	*4/4/2002*	*10/13/2004*	*4/5/2002*	*10/13/2004*	*10/24/2005*	*10/24/2005*	*4/5/2002*
									Duplicate	
								Not Validated	*Not Validated*	
Parameters	***Units***									
Di-n-butylphthalate	mg/kg	0.4 U	3.9 U	0.79 U	1.4 U	1.6 U	27 U	1.6 U	2.1 U	-
Di-n-octyl phthalate	mg/kg	0.4 U	3.9 U	1.4	1.4 U	1.6 U	7.1 J	1.6 U	2.1 U	-
Fluoranthene	mg/kg	0.37 J	1.7 J	3.9	4.6	2.2	2.5 J	0.43 J	2.6	-
Fluorene	mg/kg	0.4 U	3.9 U	0.64 J	0.37 J	1.6 U	27 U	1.6 U	0.33 J	-
Hexachlorobenzene	mg/kg	0.4 U	3.9 U	0.79 U	1.4 U	1.6 U	27 U	1.6 U	2.1 U	-
Hexachlorobutadiene	mg/kg	0.4 U	3.9 U	0.79 U	1.4 U	1.6 U	27 U	1.6 U	2.1 U	-
Hexachlorocyclopentadiene	mg/kg	1.9 U	19 U	3.8 U	6.5 U	7.6 U	130 U	7.9 U	9.9 U	-
Hexachloroethane	mg/kg	0.4 U	3.9 U	0.79 U	1.4 U	1.6 U	27 U	1.6 U	2.1 U	-
Indeno(1,2,3-cd)pyrene	mg/kg	0.1 J	0.6 J	0.53 J	0.83 J	0.61 J	27 U	0.085 J	0.42 J	-
Isophorone	mg/kg	0.4 U	3.9 U	0.79 U	1.4 U	1.6 U	27 U	1.6 U	2.1 U	-
Naphthalene	mg/kg	0.4 U	3.9 U	1.1	1.4 U	1.6 U	27 U	1.6 U	0.13 J	-
Nitrobenzene	mg/kg	0.4 U	3.9 U	0.79 U	1.4 U	1.6 U	27 U	1.6 U	2.1 U	-
N-Nitrosodi-n-propylamine	mg/kg	0.4 U	3.9 U	0.79 U	1.4 U	1.6 U	27 U	1.6 U	2.1 U	-
N-Nitrosodiphenylamine	mg/kg	0.4 U	3.9 U	0.79 U	1.4 U	1.6 U	27 U	1.6 U	2.1 U	-
Pentachlorophenol	mg/kg	0.4 U	3.9 U	0.79 U	1.4 U	1.6 U	27 U	1.6 U	2.1 U	-
Phenanthrene	mg/kg	0.18 J	1.2 J	6	3.5	2	27 U	0.26 J	2.1	-
Phenol	mg/kg	0.4 U	3.9 U	0.79 U	0.17 J	1.6 U	27 U	1.6 U	2.1 U	-
Pyrene	mg/kg	0.28 J	1.4 J	3.7	3	1.8 J	2.7 J	0.38 J	2.3	-
Metals										
Antimony	mg/kg	7.3 U	7.0 UJ	0.59 J	17.1 J	7.1 UJ	1.4 J	1.2 B	7.5 U	7.8 U
Arsenic	mg/kg	7.0	3.7	6.5	17.1	4.9 J	20.0	5.9	3.5	3.9
Barium	mg/kg	39.0	33.7	41.6	190	88.7	327	108	29.5	117
Beryllium	mg/kg	0.61 U	0.055 J	0.60 U	0.58 U	0.59 U	0.49 J	0.61 U	0.093 B	0.65 U
Cadmium	mg/kg	0.54 J	0.37 J	4.1	24.2	4.9	8.2	2.6	1.8	5.0
Chromium Total	mg/kg	12.4	7.9	33.4	162	17.6	79.2	42.7	7.5	14.5
Cobalt	mg/kg	2.8 J	2.7 J	7.3	69.8	4.8 J	27.9	12.6	8.2	5.7 J
Copper	mg/kg	27.0	26.2	153	4710	191	8740	160	41.7	126
Cyanide (total)	mg/kg	0.61 U	0.58 U	0.29 J	0.58 U	0.59 U	0.63 J	-	-	0.36 J
Lead	mg/kg	10.8	9.9	37.7	6670	62.9	3140	104 J	136 J	60.7
Manganese	mg/kg	619	391	596	595	513 J	600	282 J	343 J	248
Mercury	mg/kg	0.17	0.12 U	2.0	8.9	0.63	5.7	0.65	2.8	0.81
Nickel	mg/kg	8.5	5.6 J	21.3	76.7 J	7.5 J	66.1 J	21.7	5.3	15.8
Selenium	mg/kg	0.61 U	0.58 U	0.6 U	1.6	0.59 U	2.0	0.61 U	0.13 B	0.65 U
Silver	mg/kg	1.2 U	1.2 U	2.7	47.2	0.28 J	7.0	0.50 B	1.2 U	1.3 U
Thallium	mg/kg	2.4 U	1.2 U	2.2 U	2.3 U	1.7 U	1.6 U	0.043 B	0.025 B	1.3 U
Vanadium	mg/kg	15.9	5.0 J	6.1	32.6	5.5 J	21.2	9.8	6.1 B	10.7
Zinc	mg/kg	73.2	112	194	2070	249 J	1740	834 J	252 J	411 J
PCBs										
Aroclor-1016 (PCB-1016)	mg/kg	0.04 U	0.039 U	0.039 U	0.077 U	0.2 U	0.54 U	0.081 U	0.082 U	-
Aroclor-1221 (PCB-1221)	mg/kg	0.04 U	0.039 U	0.039 U	0.077 U	0.2 U	0.54 U	0.081 U	0.082 U	-
Aroclor-1232 (PCB-1232)	mg/kg	0.04 U	0.039 U	0.039 U	0.077 U	0.2 U	0.54 U	0.081 U	0.082 U	-
Aroclor-1242 (PCB-1242)	mg/kg	0.04 U	0.039 U	0.039 U	0.077 U	0.2 U	1.4	0.081 U	0.082 U	-
Aroclor-1248 (PCB-1248)	mg/kg	0.04 U	0.039 U	0.039 U	0.077 U	0.2 U	0.54 U	0.081 U	0.082 U	-
Aroclor-1254 (PCB-1254)	mg/kg	0.18	0.27	0.24	0.92 J	1.1	4.6	0.79	0.78	-
Aroclor-1260 (PCB-1260)	mg/kg	0.04 U	0.039 U	0.039 U	0.077 U	0.2 U	0.54 U	0.081 U	0.082 U	-
Total PCBs	mg/kg	-	-	-	-	-	-	-	-	-

TABLE 1a

ANALYTICAL RESULTS SUMMARY
STORM SEWER SEDIMENT
HARRISON DAYTON

Sample Location:		*MH-7*	*MH-7*	*MH-8*	*MH-8*	*MH-9*	*MH-9*	*MH-10*	*MH-10*	*MH-11*
Sample ID:		*SE-040402-SLE-001*	*SESS-101304-NZ-016*	*SE-040402-SLE-002*	*SESS-101304-NZ-013*	*SE-040502-SLE-003*	*SESS-101304-NZ-012*	*SESS-102405-JC-0009*	*SESS-102405-JC-0010*	*SE-040502-SLE-004*
Sample Date:		*4/4/2002*	*10/13/2004*	*4/4/2002*	*10/13/2004*	*4/5/2002*	*10/13/2004*	*10/24/2005*	*10/24/2005*	*4/5/2002*
									Duplicate	
								Not Validated	*Not Validated*	
Parameters	***Units***									
General Chemistry										
Total Solids	%	82.2	85.6	83.9	85.5	84.6	61.2	81.4	80.4	77.1

Notes:
U - Not present at or above the associated value.
J - Estimated concentration.
UJ - Estimated reporting limit.
R - Rejected.

TABLE 1a

ANALYTICAL RESULTS SUMMARY
STORM SEWER SEDIMENT
HARRISON DAYTON

Sample Location:		*MH-11*	*MH-12*	*MH-13*	*MH-14*	*MH-15*	*MH-16*	*MH-17*	*MH-17*	*MH-18*
Sample ID:		*SESS-101304-NZ-011*	*SESS-101304-NZ-010*	*SESS-102405-JC-0011*	*SE-040502-SLE-005*	*SESS-101304-NZ-008*	*SESS-101304-NZ-009*	*SE-062705-DN-0002*	*SESS-102005-NZ-0003*	*SE-040502-SLE-006*
Sample Date:		*10/13/2004*	*10/13/2004*	*10/24/2005*	*4/5/2002*	*10/13/2004*	*10/13/2004*	*6/27/2005*	*10/20/2005*	*4/5/2002*
				Not Validated					*Not Validated*	
Parameters	*Units*									
Volatile Organic Compounds										
1,1,1-Trichloroethane	mg/kg	0.028 U	0.0079 U	0.43 U	0.0069 U	0.0066 U	0.0063 U	0.0055 U	0.0054 U	0.67 U
1,1,2,2-Tetrachloroethane	mg/kg	0.028 U	0.0079 U	0.43 U	0.0069 U	0.0066 U	0.0063 U	0.0055 U	0.0054 U	0.67 U
1,1,2-Trichloroethane	mg/kg	0.028 U	0.0079 U	0.43 U	0.0069 U	0.0066 U	0.0063 U	0.0055 UJ	0.0054 U	0.67 U
1,1-Dichloroethane	mg/kg	0.028 U	0.0079 U	0.43 U	0.0069 U	0.0066 U	0.0063 U	0.0055 U	0.0054 U	0.67 U
1,1-Dichloroethene	mg/kg	0.028 U	0.0079 U	0.023 J	0.0069 U	0.0066 U	0.0063 U	0.0055 U	0.0054 U	0.67 U
1,2,4-Trichlorobenzene	mg/kg	0.028 UJ	0.0079 U	0.43 U	0.0069 U	0.0066 UJ	0.0063 U	0.0055 U	0.0054 U	0.67 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	0.056 UJ	0.016 U	0.85 U	0.014 UJ	0.013 UJ	0.013 U	0.011 U	0.011 U	1.3 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/kg	0.028 U	0.0079 U	0.43 U	0.0069 U	0.0066 U	0.0063 U	0.0055 U	0.0054 U	0.67 U
1,2-Dichlorobenzene	mg/kg	0.028 UJ	0.0079 U	0.43 U	0.0069 U	0.0066 UJ	0.0063 U	0.0055 U	0.0054 U	0.67 U
1,2-Dichloroethane	mg/kg	0.028 U	0.0079 U	0.43 U	0.0069 U	0.0066 U	0.0063 U	0.0055 U	0.0054 U	0.67 U
1,2-Dichloropropane	mg/kg	0.028 U	0.0079 U	0.43 U	0.0069 U	0.0066 U	0.0063 U	0.0055 U	0.0054 U	0.67 U
1,3-Dichlorobenzene	mg/kg	0.028 UJ	0.0079 U	0.43 U	0.0069 U	0.0066 UJ	0.0063 U	0.0055 U	0.0054 U	0.67 U
1,4-Dichlorobenzene	mg/kg	0.028 UJ	0.0079 U	0.43 U	0.0069 U	0.0066 UJ	0.0063 U	0.0055 U	0.0054 U	0.67 U
2-Butanone (Methyl Ethyl Ketone)	mg/kg	0.11 U	0.031 U	1.7 U	0.028 U	0.027 U	0.025 U	0.022 U	0.021 U	2.7 U
2-Hexanone	mg/kg	0.11 UJ	0.031 UJ	1.7 U	0.028 U	0.027 UJ	0.025 UJ	0.022 U	0.021 U	2.7 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/kg	0.0097 J	0.031 U	1.7 U	0.028 U	0.027 U	0.025 U	0.022 U	0.021 U	2.7 U
Acetone	mg/kg	0.044 J	0.031 UJ	0.24 J B	0.028 UJ	0.027 UJ	0.025 UJ	0.022 UJ	0.021 U	2.7 U
Benzene	mg/kg	0.028 U	0.0079 U	0.43 U	0.0069 U	0.0066 U	0.0063 U	0.0055 U	0.0054 U	0.67 U
Bromodichloromethane	mg/kg	0.028 U	0.0079 U	0.43 U	0.0069 U	0.0066 U	0.0063 U	0.0055 U	0.0054 U	0.67 U
Bromoform	mg/kg	0.028 U	0.0079 U	0.43 U	0.0069 UJ	0.0066 U	0.0063 U	0.0055 U	0.0054 U	0.67 U
Bromomethane (Methyl Bromide)	mg/kg	0.028 U	0.0079 U	0.43 U	0.0069 U	0.0066 U	0.0063 U	0.0055 UJ	0.0054 U	0.67 U
Carbon disulfide	mg/kg	0.0084 J	0.0079 U	0.43 U	0.0069 U	0.0066 U	0.0063 U	0.0055 U	0.0054 U	0.67 U
Carbon tetrachloride	mg/kg	0.028 U	0.0079 U	0.43 U	0.0069 U	0.0066 U	0.0063 U	0.0055 U	0.0054 U	0.67 U
Chlorobenzene	mg/kg	0.028 U	0.0079 U	0.43 U	0.0069 U	0.0066 U	0.0063 U	0.0055 U	0.0054 U	0.67 U
Chloroethane	mg/kg	0.028 U	0.0079 U	0.43 U	0.0069 U	0.0066 U	0.0063 U	0.0055 U	0.0054 U	0.67 U
Chloroform (Trichloromethane)	mg/kg	0.028 U	0.0079 U	0.43 U	0.0069 U	0.0066 U	0.0063 U	0.0055 U	0.0054 U	0.67 U
Chloromethane (Methyl Chloride)	mg/kg	0.028 U	0.0079 U	0.43 U	0.0069 U	0.0066 U	0.0063 U	0.0055 U	0.0054 U	0.67 U
cis-1,2-Dichloroethene	mg/kg	0.23	0.0079 U	9.5	0.7	0.0066 U	0.0063 U	0.0055 U	0.0054 U	0.22 J
cis-1,3-Dichloropropene	mg/kg	0.028 U	0.0079 U	0.43 U	0.0069 U	0.0066 U	0.0063 U	0.0055 U	0.0054 U	0.67 U
Cyclohexane	mg/kg	0.056 U	0.016 U	0.85 U	0.014 U	0.013 U	0.013 U	0.011 U	0.011 U	1.3 U
Dibromochloromethane	mg/kg	0.028 U	0.0079 U	0.43 U	0.0069 U	0.0066 U	0.0063 U	0.0055 U	0.0054 U	0.67 U
Dichlorodifluoromethane (CFC-12)	mg/kg	0.028 U	0.0079 U	0.43 U	0.0069 U	0.0066 U	0.0063 U	0.0055 U	0.0054 U	0.67 U
Ethylbenzene	mg/kg	0.028 U	0.0036 J	0.034 J	0.0069 U	0.0066 U	0.0063 U	0.0055 U	0.0054 U	0.67 U
Isopropylbenzene	mg/kg	0.028 U	0.0079 U	0.43 U	0.0069 U	0.0066 U	0.0063 U	0.0055 U	0.0054 U	0.67 U
Methyl acetate	mg/kg	0.056 U	0.016 U	0.34 J B	0.014 U	0.013 U	0.013 U	0.011 U	0.011 U	1.3 U
Methyl cyclohexane	mg/kg	0.056 U	0.016 U	0.14 J	0.014 U	0.013 U	0.013 U	0.011 U	0.011 U	1.3 U
Methyl Tert Butyl Ether	mg/kg	0.11 U	0.031 U	1.7 U	0.028 U	0.027 U	0.025 U	0.022 U	0.021 U	2.7 U
Methylene chloride	mg/kg	0.028 U	0.0043 J	0.43 U	0.0069 U	0.0073	0.0044 J	0.0076 U	0.0054 U	0.67 U
Styrene	mg/kg	0.028 U	0.0079 U	0.093 J	0.0069 U	0.0066 U	0.0063 U	0.0055 U	0.0054 U	0.67 U
Tetrachloroethene	mg/kg	0.55	0.0037 J	3.5	1.7	0.0017 J	0.0063 U	0.0055 U	0.0016 J	5.6
Toluene	mg/kg	0.0047 J	0.0013 J	0.04 J	0.0069 U	0.0066 U	0.0063 U	0.0055 U	0.0054 U	0.67 U
trans-1,2-Dichloroethene	mg/kg	0.028 U	0.0079 U	0.038 J	0.0027 J	0.0066 U	0.0063 U	0.0055 U	0.0054 U	0.34 U
trans-1,3-Dichloropropene	mg/kg	0.028 U	0.0079 U	0.43 U	0.0069 U	0.0066 U	0.0063 U	0.0055 U	0.0054 U	0.67 U
Trichloroethene	mg/kg	0.13	0.01	0.68	0.33 J	0.0066 U	0.0063 U	0.00048 J	0.015	0.81
Trichlorofluoromethane (CFC-11)	mg/kg	0.028 U	0.0079 U	0.43 U	0.0069 U	0.0066 U	0.0063 U	0.0055 U	0.0054 U	0.67 U
Trifluorotrichloroethane (Freon 113)	mg/kg	0.028 U	0.0079 U	0.43 U	0.0069 U	0.0066 U	0.0063 U	0.0055 U	0.0054 U	0.67 U
Vinyl chloride	mg/kg	0.028 U	0.0079 U	2.9	0.0069 U	0.0066 U	0.0063 U	0.0055 U	0.0054 U	0.67 U
Xylene (total)	mg/kg	0.056 U	0.019	0.1 J	0.014 U	0.013 U	0.013 U	0.011 U	0.011 U	1.3 U

TABLE 1a

ANALYTICAL RESULTS SUMMARY
STORM SEWER SEDIMENT
HARRISON DAYTON

Sample Location:		*MH-11*	*MH-12*	*MH-13*	*MH-14*	*MH-15*	*MH-16*	*MH-17*	*MH-17*	*MH-18*
Sample ID:		*SESS-101304-NZ-011*	*SESS-101304-NZ-010*	*SESS-102405-JC-0011*	*SE-040502-SLE-005*	*SESS-101304-NZ-008*	*SESS-101304-NZ-009*	*SE-062705-DN-0002*	*SESS-102005-NZ-0003*	*SE-040502-SLE-006*
Sample Date:		*10/13/2004*	*10/13/2004*	*10/24/2005*	*4/5/2002*	*10/13/2004*	*10/13/2004*	*6/27/2005*	*10/20/2005*	*4/5/2002*
				Not Validated					*Not Validated*	
Parameters	*Units*									
Semi-Volatile Organic Compounds										
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/kg	19 U	6.5 U	22 U	0.39 U	52 U	5.2 U	0.72 U	1.9 U	1.9 U
2,4,5-Trichlorophenol	mg/kg	19 U	6.5 U	22 U	0.39 U	52 U	5.2 U	0.72 U	1.9 U	1.9 U
2,4,6-Trichlorophenol	mg/kg	19 U	6.5 U	22 U	0.39 U	52 U	5.2 U	0.72 U	1.9 U	1.9 U
2,4-Dichlorophenol	mg/kg	19 U	6.5 U	22 U	0.39 U	52 U	5.2 U	0.72 U	1.9 U	1.9 U
2,4-Dimethylphenol	mg/kg	19 U	6.5 U	22 U	0.39 U	52 U	5.2 U	0.72 U	1.9 U	1.9 U
2,4-Dinitrophenol	mg/kg	90 U	31 U	110 U	1.9 UJ	250 U	25 U	3.5 U	9.1 U	9.2 UJ
2,4-Dinitrotoluene	mg/kg	19 U	6.5 U	22 U	0.39 U	52 U	5.2 U	0.72 U	1.9 U	1.9 U
2,6-Dinitrotoluene	mg/kg	19 U	6.5 U	22 U	0.39 U	52 U	5.2 U	0.72 U	1.9 U	1.9 U
2-Chloronaphthalene	mg/kg	19 U	6.5 U	22 U	0.39 U	52 U	5.2 U	0.72 U	1.9 U	1.9 U
2-Chlorophenol	mg/kg	19 U	6.5 U	22 U	0.39 U	52 U	5.2 U	0.72 U	1.9 U	1.9 U
2-Methylnaphthalene	mg/kg	1.4 J	0.47 J	1.2 J	0.39 U	52 U	5.2 U	0.72 U	0.069 J	0.3 J
2-Methylphenol	mg/kg	19 U	6.5 U	22 U	0.39 U	52 U	5.2 U	0.72 U	1.9 U	1.9 U
2-Nitroaniline	mg/kg	90 U	31 U	110 U	1.9 U	250 U	25 U	3.5 U	9.1 U	9.2 U
2-Nitrophenol	mg/kg	19 U	6.5 U	22 U	0.39 U	52 U	5.2 U	0.72 U	1.9 U	1.9 U
3,3'-Dichlorobenzidine	mg/kg	90 U	31 U	110 U	1.9 U	250 U	25 U	3.5 UJ	9.1 U	9.2 U
3-Nitroaniline	mg/kg	90 U	31 U	110 U	1.9 U	250 U	25 U	3.5 U	9.1 U	9.2 U
4,6-Dinitro-2-methylphenol	mg/kg	90 U	31 U	110 U	1.9 U	250 U	25 U	3.5 U	9.1 U	9.2 U
4-Bromophenyl phenyl ether	mg/kg	19 U	6.5 U	22 U	0.39 U	52 U	5.2 U	0.72 U	1.9 U	1.9 U
4-Chloro-3-methylphenol	mg/kg	19 U	6.5 U	22 U	0.39 U	52 U	5.2 U	0.72 U	1.9 U	1.9 U
4-Chloroaniline	mg/kg	19 U	6.5 U	22 U	0.39 U	52 U	5.2 U	0.72 U	1.9 U	1.9 U
4-Chlorophenyl phenyl ether	mg/kg	19 U	6.5 U	22 U	0.39 U	52 U	5.2 U	0.72 U	1.9 U	1.9 U
4-Methylphenol	mg/kg	19 U	6.5 U	22 U	0.39 U	52 U	5.2 U	0.72 U	1.9 U	1.9 U
4-Nitroaniline	mg/kg	90 U	31 U	110 U	1.9 U	250 U	25 U	3.5 U	9.1 U	9.2 U
4-Nitrophenol	mg/kg	90 U	31 U	110 U	1.9 U	250 U	25 U	3.5 U	9.1 U	9.2 U
Acenaphthene	mg/kg	19 U	1.1 J	3.3 J	0.11 J	52 U	5.2 U	0.058 J	0.39 J	0.99 J
Acenaphthylene	mg/kg	19 U	6.5 U	22 U	0.39 U	52 U	5.2 U	0.091 J	0.17 J	1.9 U
Acetophenone	mg/kg	19 U	6.5 U	22 U	0.39 U	52 U	5.2 U	0.72 U	1.9 U	1.9 U
Anthracene	mg/kg	19 U	2 J	5.6 J	0.39	52 U	0.65 J	0.22 J	0.94 J	2.4
Atrazine	mg/kg	19 U	6.5 U	22 U	0.39 U	52 U	5.2 U	0.72 U	1.9 U	1.9 U
Benzaldehyde	mg/kg	19 U	6.5 U	22 U	0.39 U	52 U	5.2 U	0.72 U	1.9 U	1.9 U
Benzo(a)anthracene	mg/kg	19 U	8.3	13 J	0.83	4.2 J	2.8 J	0.85 J	3.1	4.6
Benzo(a)pyrene	mg/kg	19 U	9	9 J	0.9	3.8 J	3 J	0.92	3	4.3
Benzo(b)fluoranthene	mg/kg	19 U	13	11 J	0.98	7.6 J	4.3 J	1.6	4.6	5.2
Benzo(g,h,i)perylene	mg/kg	19 U	7.2	5.9 J	0.76	6.9 J	6.6	0.74	2.1	3
Benzo(k)fluoranthene	mg/kg	19 U	3.7 J	4.5 J	0.5	3.2 J	1.4 J	0.49 J	1.7 J	2.6
Biphenyl	mg/kg	19 U	6.5 U	22 U	0.39 U	52 U	5.2 U	0.72 U	1.9 U	1.9 U
bis(2-Chloroethoxy)methane	mg/kg	19 U	6.5 U	22 U	0.39 U	52 U	5.2 U	0.72 U	1.9 U	1.9 U
bis(2-Chloroethyl)ether	mg/kg	19 U	6.5 U	22 U	0.39 U	52 U	5.2 U	0.72 U	1.9 U	1.9 U
bis(2-Ethylhexyl)phthalate	mg/kg	7.5 J	3.1 J	20 J	0.72	220	13	0.53 J	2.1 B	3.9
Butyl benzylphthalate	mg/kg	19 U	6.5 U	22 U	0.39 U	52 U	5.2 U	0.72 UJ	1.9 U	0.32 J
Caprolactam	mg/kg	19 U	6.5 U	22 U	0.39 U	52 U	5.2 U	0.72 U	1.9 U	1.9 U
Carbazole	mg/kg	19 U	1.4 J	4 J	0.096 J	52 U	0.29 J	0.17 J	0.56 J	1.8 J
Chrysene	mg/kg	0.86 J	8.7	14 J	0.86	5.2 J	3.1 J	1 J	3.2	5.3
Dibenz(a,h)anthracene	mg/kg	19 U	1.5 J	1.4 J	0.17 J	52 U	1 J	0.15 J	0.24 J	0.93 J
Dibenzofuran	mg/kg	19 U	0.42 J	3.1 J	0.069 J	52 U	5.2 U	0.047 J	0.26 J	0.82 J
Diethyl phthalate	mg/kg	19 U	6.5 U	22 U	0.39 U	52 U	5.2 U	0.72 U	1.9 U	1.9 U
Dimethyl phthalate	mg/kg	19 U	6.5 U	22 U	0.39 U	52 U	5.2 U	0.72 U	1.9 U	1.9 U

TABLE 1a

ANALYTICAL RESULTS SUMMARY
STORM SEWER SEDIMENT
HARRISON DAYTON

Sample Location:		*MH-11*	*MH-12*	*MH-13*	*MH-14*	*MH-15*	*MH-16*	*MH-17*	*MH-17*	*MH-18*
Sample ID:		*SESS-101304-NZ-011*	*SESS-101304-NZ-010*	*SESS-102405-JC-0011*	*SE-040502-SLE-005*	*SESS-101304-NZ-008*	*SESS-101304-NZ-009*	*SE-062705-DN-0002*	*SESS-102005-NZ-0003*	*SE-040502-SLE-006*
Sample Date:		*10/13/2004*	*10/13/2004*	*10/24/2005*	*4/5/2002*	*10/13/2004*	*10/13/2004*	*6/27/2005*	*10/20/2005*	*4/5/2002*
				Not Validated					*Not Validated*	
Parameters	***Units***									
Di-n-butylphthalate	mg/kg	3.9 J	6.5 U	22 U	0.39 U	52 U	5.2 U	0.72 U	1.9 U	1.9 U
Di-n-octyl phthalate	mg/kg	2.4 J	6.5 U	22 U	0.39 U	52 U	5.2 U	0.72 U	1.9 U	1.9 U
Fluoranthene	mg/kg	1.3 J	22	32	1.9	6.2 J	3.3 J	1.9	7.5	11
Fluorene	mg/kg	2.1 J	0.91 J	4.4 J	0.15 J	52 U	5.2 U	0.066 J	0.35 J	1.5 J
Hexachlorobenzene	mg/kg	19 U	6.5 U	22 U	0.39 U	52 U	5.2 U	0.72 U	1.9 U	1.9 U
Hexachlorobutadiene	mg/kg	19 U	6.5 U	22 U	0.39 U	52 U	5.2 U	0.72 U	1.9 U	1.9 U
Hexachlorocyclopentadiene	mg/kg	90 U	31 U	110 U	1.9 U	250 U	25 U	3.5 UJ	9.1 U	9.2 U
Hexachloroethane	mg/kg	19 U	6.5 U	22 U	0.39 U	52 U	5.2 U	0.72 U	1.9 U	1.9 U
Indeno(1,2,3-cd)pyrene	mg/kg	19 U	6 J	5.2 J	0.66	4 J	3.6 J	0.65 J	1.8 J	2.8
Isophorone	mg/kg	19 U	6.5 U	22 U	0.39 U	52 U	5.2 U	0.72 U	1.9 U	1.9 U
Naphthalene	mg/kg	19 U	6.5 U	2.1 J	0.39 U	52 U	5.2 U	0.035 J	0.16 J	0.51 J
Nitrobenzene	mg/kg	19 U	6.5 U	22 U	0.39 U	52 U	5.2 U	0.72 U	1.9 U	1.9 U
N-Nitrosodi-n-propylamine	mg/kg	19 U	6.5 U	22 U	0.39 U	52 U	5.2 U	0.72 U	1.9 U	1.9 U
N-Nitrosodiphenylamine	mg/kg	19 U	6.5 U	22 U	0.39 U	52 U	5.2 U	0.72 U	1.9 U	1.9 U
Pentachlorophenol	mg/kg	19 U	6.5 U	22 U	0.39 U	52 U	5.2 U	0.72 U	1.9 U	1.9 U
Phenanthrene	mg/kg	5.6 J	11	31	1.4	52 U	1.5 J	0.97	4.4	9.6
Phenol	mg/kg	19 U	6.5 U	22 U	0.39 U	52 U	5.2 U	0.72 U	1.9 U	1.9 U
Pyrene	mg/kg	1.9 J	16	28	1.6 J	6.6 J	3.8 J	1.7 J	6.2	8 J
Metals										
Antimony	mg/kg	0.70 J	2.2 J	6.5 B	5.8 J	3.0 J	6.2 J	8.3 J	11.7 B G	1.3 J
Arsenic	mg/kg	7.5	19.4	8.5	16.5 J	18.8	24.1	9.1	6.8	9.9 J
Barium	mg/kg	95.2	105	445	194	826	1780	41.1	290	345
Beryllium	mg/kg	0.56 U	0.53 J	0.18 B	0.59 U	0.66 U	0.18 J	10.9 U	0.12 B	0.48 J
Cadmium	mg/kg	3.5	53.4	12.3	8.0	30.7	62.5	3.3 J	8.1	5.9
Chromium Total	mg/kg	30.4	460	163	107	230	471	452	403	52.6
Cobalt	mg/kg	6.5	20.3	16.1	17.4 J	22.3	14.9	22.5	21.0	14.2 J
Copper	mg/kg	244	1210	1690	5570	868	2760	104	177	508
Cyanide (total)	mg/kg	0.54 J	0.62 J	-	0.72	0.76	0.69	0.55 U	-	2.9
Lead	mg/kg	153	500	4370 J	482	918	1930	29.0	129 J	210
Manganese	mg/kg	396	831	592 J	2390 J	1460	1510	2350	1890 J	2270 J
Mercury	mg/kg	1.5	14.7	44.2	6.5	1.9	12.4	0.22	0.92	16.9
Nickel	mg/kg	19.3 J	76.1 J	44.8	58.6 J	75.1 J	231 J	43.3	60.3	29.6 J
Selenium	mg/kg	0.56 U	1.6 U	0.22 B	0.59 U	2.0 J	3.1 U	0.11 J	0.14 B	0.72 U
Silver	mg/kg	1.3	39.9	10.8	2.0	3.1	13.1	21.8 U	4.6	1.2 J
Thallium	mg/kg	1.1 U	3.1 U	0.12 B	2.2 U	6.6 U	6.3 U	0.060 J	0.072 B J	3.3 U
Vanadium	mg/kg	12.0	15.2 J	17.8	8.3	42.2	26.3 J	14.4 J	13.8 B G	8.8
Zinc	mg/kg	429	2950	1610 J	2070 J	1750	2450	1060	2070 J	612 J
PCBs										
Aroclor-1016 (PCB-1016)	mg/kg	0.074 U	5.2 U	0.28 U	0.39 U	2.2 U	21 U	0.18 U	0.75 U	2.4 U
Aroclor-1221 (PCB-1221)	mg/kg	0.074 U	5.2 U	0.28 U	0.39 U	2.2 U	21 U	0.18 U	0.75 U	2.4 U
Aroclor-1232 (PCB-1232)	mg/kg	0.074 U	5.2 U	0.28 U	0.39 U	2.2 U	21 U	0.18 U	0.75 U	2.4 U
Aroclor-1242 (PCB-1242)	mg/kg	0.074 U	5.2 U	0.28 U	0.39 U	2.2 U	21 U	0.18 U	0.75 U	2.4 U
Aroclor-1248 (PCB-1248)	mg/kg	0.074 U	5.2 U	0.28 U	0.39 U	2.2 U	21 U	0.18 U	0.75 U	2.4 U
Aroclor-1254 (PCB-1254)	mg/kg	1.3	54	4.5	2.4	20	340	1.9	6.6	18
Aroclor-1260 (PCB-1260)	mg/kg	0.074 U	5.2 U	0.28 U	0.39 U	2.2 U	21 U	0.18 U	0.75 U	2.4 U
Total PCBs	mg/kg	-	-	-	-	-	-	1.9	-	-

ANALYTICAL RESULTS SUMMARY
STORM SEWER SEDIMENT
HARRISON DAYTON

Sample Location:		*MH-11*	*MH-12*	*MH-13*	*MH-14*	*MH-15*	*MH-16*	*MH-17*	*MH-17*	*MH-18*
Sample ID:		*SESS-101304-NZ-011*	*SESS-101304-NZ-010*	*SESS-102405-JC-0011*	*SE-040502-SLE-005*	*SESS-101304-NZ-008*	*SESS-101304-NZ-009*	*SE-062705-DN-0002*	*SESS-102005-NZ-0003*	*SE-040502-SLE-006*
Sample Date:		*10/13/2004*	*10/13/2004*	*10/24/2005*	*4/5/2002*	*10/13/2004*	*10/13/2004*	*6/27/2005*	*10/20/2005*	*4/5/2002*
				Not Validated					*Not Validated*	
Parameters	*Units*									
General Chemistry										
Total Solids	%	89.0	63.6	59.7	85.2	75.4	79.9	91.6	87.8	69.3

Notes:
U - Not present at or above the associated value.
J - Estimated concentration.
UJ - Estimated reporting limit.
R - Rejected.

TABLE 1a

ANALYTICAL RESULTS SUMMARY
STORM SEWER SEDIMENT
HARRISON DAYTON

Sample Location:		*MH-18*	*MH-18*	*MH-19*	*MH-19*	*MH-25*	*MH-27*	*MH-28*	*MH-34*	*MH-35*
Sample ID:		*SESS-101304-NZ-005*	*SESS-101304-NZ-006*	*SE-040802-SLE-007*	*SESS-101304-NZ-004*	*SESS-101304-NZ-003*	*SESS-102005-NZ-0007*	*SESS-102005-NZ-0006*	*SESS-102405-JC-0008*	*SE-062705-DN-0003*
Sample Date:		*10/13/2004*	*10/13/2004*	*4/8/2002*	*10/13/2004*	*10/13/2004*	*10/20/2005*	*10/20/2005*	*10/24/2005*	*6/27/2005*
			Duplicate							
							Not Validated	*Not Validated*	*Not Validated*	
Parameters	*Units*									
Volatile Organic Compounds										
1,1,1-Trichloroethane	mg/kg	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.0097 U	0.0047 U	0.0063 U	0.0065 U	0.0056 U
1,1,2,2-Tetrachloroethane	mg/kg	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.0097 U	0.0047 U	0.0063 U	0.0065 U	0.0056 U
1,1,2-Trichloroethane	mg/kg	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.0097 U	0.0047 U	0.0063 U	0.0065 U	0.0056 UJ
1,1-Dichloroethane	mg/kg	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.0097 U	0.0047 U	0.0063 U	0.0065 U	0.0056 U
1,1-Dichloroethene	mg/kg	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.0097 U	0.0047 U	0.0063 U	0.0065 U	0.0056 U
1,2,4-Trichlorobenzene	mg/kg	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.0097 UJ	0.0047 U	0.0063 U	0.0065 U	0.0056 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	0.012 U	0.012 U	0.64 U	0.011 U	0.019 UJ	0.0095 U	0.013 U	0.013 U	0.011 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/kg	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.0097 U	0.0047 U	0.0063 U	0.0065 U	0.0056 U
1,2-Dichlorobenzene	mg/kg	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.0097 UJ	0.0047 U	0.0063 U	0.0065 U	0.0056 U
1,2-Dichloroethane	mg/kg	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.0097 U	0.0047 U	0.0063 U	0.0065 U	0.0056 U
1,2-Dichloropropane	mg/kg	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.0097 U	0.0047 U	0.0063 U	0.0065 U	0.0056 U
1,3-Dichlorobenzene	mg/kg	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.0097 UJ	0.0047 U	0.0063 U	0.0065 U	0.0056 U
1,4-Dichlorobenzene	mg/kg	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.00067 J	0.0047 U	0.0063 U	0.0065 U	0.0056 U
2-Butanone (Methyl Ethyl Ketone)	mg/kg	0.024 U	0.024 U	1.3 U	0.022 U	0.008 J	0.001 J	0.025 U	0.026 U	0.022 U
2-Hexanone	mg/kg	0.024 UJ	0.024 UJ	1.3 U	0.022 UJ	0.039 UJ	0.019 U	0.025 U	0.026 U	0.022 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/kg	0.024 U	0.024 U	1.3 U	0.022 U	0.039 U	0.019 U	0.025 U	0.026 U	0.022 U
Acetone	mg/kg	0.024 UJ	0.024 UJ	1.3 U	0.022 UJ	0.033 J	0.23	0.025 U	0.026 U	0.022 UJ
Benzene	mg/kg	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.00069 J	0.0047 U	0.0063 U	0.0065 U	0.0056 U
Bromodichloromethane	mg/kg	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.0097 U	0.0047 U	0.0063 U	0.0065 U	0.0056 U
Bromoform	mg/kg	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.0097 U	0.0047 U	0.0063 U	0.0065 U	0.0056 U
Bromomethane (Methyl Bromide)	mg/kg	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.0097 U	0.0047 U	0.0063 U	0.0065 U	0.0056 UJ
Carbon disulfide	mg/kg	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.0097 U	0.0047 U	0.0063 U	0.0065 U	0.0056 U
Carbon tetrachloride	mg/kg	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.0097 U	0.0047 U	0.0063 U	0.0065 U	0.0056 U
Chlorobenzene	mg/kg	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.0097 U	0.0047 U	0.0063 U	0.0065 U	0.0056 U
Chloroethane	mg/kg	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.0097 U	0.0047 U	0.0063 U	0.0065 U	0.0056 U
Chloroform (Trichloromethane)	mg/kg	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.0097 U	0.0047 U	0.0063 U	0.0065 U	0.0056 U
Chloromethane (Methyl Chloride)	mg/kg	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.0097 U	0.0047 U	0.0063 U	0.0065 U	0.0056 U
cis-1,2-Dichloroethene	mg/kg	0.0073	0.0045 J	0.24	0.0056 U	0.0097 U	0.0047 U	0.0063 U	0.00056 J	0.0056 U
cis-1,3-Dichloropropene	mg/kg	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.0097 U	0.0047 U	0.0063 U	0.0065 U	0.0056 U
Cyclohexane	mg/kg	0.012 U	0.012 U	0.64 U	0.011 U	0.019 U	0.0095 U	0.013 U	0.013 U	0.011 U
Dibromochloromethane	mg/kg	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.0097 U	0.0047 U	0.0063 U	0.0065 U	0.0056 U
Dichlorodifluoromethane (CFC-12)	mg/kg	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.0097 U	0.0047 U	0.0063 U	0.0065 U	0.0056 U
Ethylbenzene	mg/kg	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.003 J	0.0047 U	0.0063 U	0.0065 U	0.0056 U
Isopropylbenzene	mg/kg	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.0097 U	0.0047 U	0.0063 U	0.0065 U	0.0056 U
Methyl acetate	mg/kg	0.012 U	0.012 U	0.2 J	0.011 U	0.019 U	0.0095 U	0.013 U	0.013 U	0.011 U
Methyl cyclohexane	mg/kg	0.012 U	0.012 U	0.64 U	0.011 U	0.001 J	0.0095 U	0.013 U	0.013 U	0.011 U
Methyl Tert Butyl Ether	mg/kg	0.024 U	0.024 U	1.3 U	0.022 U	0.039 U	0.019 U	0.025 U	0.026 U	0.022 U
Methylene chloride	mg/kg	0.0061 U	0.0061 U	0.11 J	0.0056 U	0.0097 U	0.0047 U	0.0063 U	0.0065 U	0.0056 U
Styrene	mg/kg	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.0097 U	0.0047 U	0.0063 U	0.0065 U	0.0056 U
Tetrachloroethene	mg/kg	0.011	0.002 J	2.6	0.01	0.0097 U	0.0008 J	0.0024 J	0.017	0.0012 J
Toluene	mg/kg	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.028	0.00047 J	0.0063 U	0.0065 U	0.0056 U
trans-1,2-Dichloroethene	mg/kg	0.0061 U	0.0061 U	0.16 U	0.0056 U	0.0097 U	0.0047 U	0.0063 U	0.0065 U	0.0056 U
trans-1,3-Dichloropropene	mg/kg	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.0097 U	0.0047 U	0.0063 U	0.0065 U	0.0056 U
Trichloroethene	mg/kg	0.0031 J	0.00084 J	0.39	0.00059 J	0.0097 U	0.00085 J	0.00093 J	0.0091	0.0056 U
Trichlorofluoromethane (CFC-11)	mg/kg	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.0097 U	0.0047 U	0.0063 U	0.0065 U	0.0056 U
Trifluorotrichloroethane (Freon 113)	mg/kg	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.0097 U	0.0047 U	0.0063 U	0.0065 U	0.0056 U
Vinyl chloride	mg/kg	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.0097 U	0.0047 U	0.0063 U	0.0065 U	0.0056 U
Xylene (total)	mg/kg	0.012 U	0.012 U	0.64 U	0.011 U	0.0017 J	0.0018 J	0.013 U	0.013 U	0.011 U

TABLE 1a

ANALYTICAL RESULTS SUMMARY
STORM SEWER SEDIMENT
HARRISON DAYTON

Sample Location:		*MH-18*	*MH-18*	*MH-19*	*MH-19*	*MH-25*	*MH-27*	*MH-28*	*MH-34*	*MH-35*
Sample ID:		*SESS-101304-NZ-005*	*SESS-101304-NZ-006*	*SE-040802-SLE-007*	*SESS-101304-NZ-004*	*SESS-101304-NZ-003*	*SESS-102005-NZ-0007*	*SESS-102005-NZ-0006*	*SESS-102405-JC-0008*	*SE-062705-DN-0003*
Sample Date:		*10/13/2004*	*10/13/2004*	*4/8/2002*	*10/13/2004*	*10/13/2004*	*10/20/2005*	*10/20/2005*	*10/24/2005*	*6/27/2005*
			Duplicate							
							Not Validated	*Not Validated*	*Not Validated*	
Parameters	*Units*									
Semi-Volatile Organic Compounds										
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/kg	0.4 U	2 U	0.95 U	1.8 U	32 U	7.8 U	18 U	5.8 U	7.4 U
2,4,5-Trichlorophenol	mg/kg	0.4 U	2 U	0.95 U	1.8 U	32 U	7.8 U	18 U	5.8 U	7.4 U
2,4,6-Trichlorophenol	mg/kg	0.4 U	2 U	0.95 U	1.8 U	32 U	7.8 U	18 U	5.8 U	7.4 U
2,4-Dichlorophenol	mg/kg	0.4 U	2 U	0.95 U	1.8 U	32 U	7.8 U	18 U	5.8 U	7.4 U
2,4-Dimethylphenol	mg/kg	0.4 U	2 U	0.95 U	1.8 U	32 U	7.8 U	18 U	5.8 U	7.4 U
2,4-Dinitrophenol	mg/kg	2 U	9.7 U	4.6 U	9 U	160 U	38 U	87 U	28 U	36 U
2,4-Dinitrotoluene	mg/kg	0.4 U	2 U	0.95 U	1.8 U	32 U	7.8 U	18 U	5.8 U	7.4 U
2,6-Dinitrotoluene	mg/kg	0.4 U	2 U	0.95 U	1.8 U	32 U	7.8 U	18 U	5.8 U	7.4 U
2-Chloronaphthalene	mg/kg	0.4 U	2 U	0.95 U	1.8 U	32 U	7.8 U	18 U	5.8 U	7.4 U
2-Chlorophenol	mg/kg	0.4 U	2 U	0.95 U	1.8 U	32 U	7.8 U	18 U	5.8 U	7.4 U
2-Methylnaphthalene	mg/kg	0.077 J	0.12 J	0.95 U	0.12 J	2.4 J	0.33 J	18 U	5.8 U	7.4 U
2-Methylphenol	mg/kg	0.4 U	2 U	0.95 U	1.8 U	32 U	7.8 U	18 U	5.8 U	7.4 U
2-Nitroaniline	mg/kg	2 U	9.7 U	4.6 UJ	9 U	160 U	38 U	87 U	28 U	36 U
2-Nitrophenol	mg/kg	0.4 U	2 U	0.95 U	1.8 U	32 U	7.8 U	18 U	5.8 U	7.4 U
3,3'-Dichlorobenzidine	mg/kg	2 U	9.7 U	4.6 U	9 U	160 U	38 U	87 U	28 U	36 UJ
3-Nitroaniline	mg/kg	2 U	9.7 U	4.6 UJ	9 U	160 U	38 U	87 U	28 U	36 U
4,6-Dinitro-2-methylphenol	mg/kg	2 U	9.7 U	4.6 U	9 U	160 U	38 U	87 U	28 U	36 U
4-Bromophenyl phenyl ether	mg/kg	0.4 U	2 U	0.95 U	1.8 U	32 U	7.8 U	18 U	5.8 U	7.4 U
4-Chloro-3-methylphenol	mg/kg	0.4 U	2 U	0.95 U	1.8 U	32 U	7.8 U	18 U	5.8 U	7.4 U
4-Chloroaniline	mg/kg	0.4 U	2 U	0.95 U	1.8 U	32 U	7.8 U	18 U	5.8 U	7.4 U
4-Chlorophenyl phenyl ether	mg/kg	0.4 U	2 U	0.95 U	1.8 U	32 U	7.8 U	18 U	5.8 U	7.4 U
4-Methylphenol	mg/kg	0.4 U	2 U	0.95 U	1.8 U	32 U	7.8 U	18 U	5.8 U	7.4 U
4-Nitroaniline	mg/kg	2 U	9.7 U	4.6 U	9 U	160 U	38 U	87 U	28 U	36 U
4-Nitrophenol	mg/kg	2 U	9.7 U	4.6 UJ	9 U	160 U	38 U	87 U	28 U	36 U
Acenaphthene	mg/kg	0.088 J	2 U	0.95 U	1.8 U	5.3 J	1.6 J	2.4 J	5.8 U	0.57 J
Acenaphthylene	mg/kg	0.041 J	2 U	0.95 U	1.8 U	32 U	0.16 J	0.6 J	5.8 U	7.4 U
Acetophenone	mg/kg	0.4 U	2 U	0.95 U	1.8 U	32 U	7.8 U	18 U	5.8 U	7.4 U
Anthracene	mg/kg	0.16 J	0.082 J	0.95 U	1.8 U	5.9 J	2.1 J	3.6 J	1.3 J	1.9 J
Atrazine	mg/kg	0.4 U	2 U	0.95 U	1.8 U	32 U	7.8 U	18 U	5.8 U	7.4 U
Benzaldehyde	mg/kg	0.4 U	2 U	0.95 U	1.8 U	32 U	7.8 U	18 U	5.8 U	7.4 U
Benzo(a)anthracene	mg/kg	0.71	0.28 J	0.29 J	0.18 J	15 J	8.1	13 J	6.4	8.3 J
Benzo(a)pyrene	mg/kg	0.63	0.33 J	0.38 J	0.28 J	13 J	7.9	13 J	5.3 J	9.2
Benzo(b)fluoranthene	mg/kg	1.2	0.53 J	0.56 J	0.48 J	20 J	12	19	7.8	12
Benzo(g,h,i)perylene	mg/kg	0.54	0.36 J	0.29 J	0.32 J	10 J	5 J	8.8 J	4.3 J	7.2 J
Benzo(k)fluoranthene	mg/kg	0.46	0.16 J	0.23 J	0.2 J	7.1 J	4.8 J	7.3 J	3.6 J	5.3 J
Biphenyl	mg/kg	0.4 U	2 U	0.95 U	1.8 U	32 U	7.8 U	18 U	5.8 U	7.4 U
bis(2-Chloroethoxy)methane	mg/kg	0.4 U	2 U	0.95 U	1.8 U	32 U	7.8 U	18 U	5.8 U	7.4 U
bis(2-Chloroethyl)ether	mg/kg	0.4 U	2 U	0.95 U	1.8 U	32 U	7.8 U	18 U	0.83 J	7.4 U
bis(2-Ethylhexyl)phthalate	mg/kg	1.2	1.4 J	7.8	3.8	30 J	0.66 J B	1.8 J B	1 J	1.8 J
Butyl benzylphthalate	mg/kg	0.4 U	2 U	0.34 J	1.8 U	100	7.8 U	18 U	5.8 U	7.4 UJ
Caprolactam	mg/kg	0.4 U	2 U	0.95 U	1.8 U	32 U	7.8 U	18 U	0.39 J B	7.4 U
Carbazole	mg/kg	0.12 J	2 U	0.95 U	1.8 U	5.6 J	2.6 J	3.8 J	1.5 J	0.94 J
Chrysene	mg/kg	0.82	0.33 J	0.39 J	0.28 J	17 J	9.7	14 J	7.9	9 J
Dibenz(a,h)anthracene	mg/kg	0.13 J	2 U	0.95 U	1.8 U	2.1 J	1 J	1.8 J	0.91 J	1.8 J
Dibenzofuran	mg/kg	0.057 J	2 U	0.95 U	1.8 U	3.9 J	1 J	1.5 J	0.36 J	0.36 J
Diethyl phthalate	mg/kg	0.4 U	2 U	0.95 U	1.8 U	32 U	7.8 U	18 U	5.8 U	7.4 U
Dimethyl phthalate	mg/kg	0.4 U	2 U	0.95 U	1.8 U	32 U	7.8 U	18 U	5.8 U	7.4 U

TABLE 1a

ANALYTICAL RESULTS SUMMARY
STORM SEWER SEDIMENT
HARRISON DAYTON

Sample Location:		*MH-18*	*MH-18*	*MH-19*	*MH-19*	*MH-25*	*MH-27*	*MH-28*	*MH-34*	*MH-35*
Sample ID:		*SESS-101304-NZ-005*	*SESS-101304-NZ-006*	*SE-040802-SLE-007*	*SESS-101304-NZ-004*	*SESS-101304-NZ-003*	*SESS-102005-NZ-0007*	*SESS-102005-NZ-0006*	*SESS-102405-JC-0008*	*SE-062705-DN-0003*
Sample Date:		*10/13/2004*	*10/13/2004*	*4/8/2002*	*10/13/2004*	*10/13/2004*	*10/20/2005*	*10/20/2005*	*10/24/2005*	*6/27/2005*
			Duplicate							
							Not Validated	*Not Validated*	*Not Validated*	
Parameters	***Units***									
Di-n-butylphthalate	mg/kg	0.018 J	2 U	0.95 U	1.8 U	32 U	7.8 U	18 U	5.8 U	7.4 U
Di-n-octyl phthalate	mg/kg	0.4 U	2 U	0.95 U	1.8 U	32 U	7.8 U	18 U	5.8 U	7.4 U
Fluoranthene	mg/kg	1.8	0.59 J	0.61 J	0.39 J	40	29	38	18	17
Fluorene	mg/kg	0.094 J	2 U	0.95 U	1.8 U	6.3 J	1 J	2 J	0.47 J	0.44 J
Hexachlorobenzene	mg/kg	0.4 U	2 U	0.95 U	1.8 U	32 U	7.8 U	18 U	5.8 U	7.4 U
Hexachlorobutadiene	mg/kg	0.4 U	2 U	0.95 U	1.8 U	32 U	7.8 U	18 U	5.8 U	7.4 U
Hexachlorocyclopentadiene	mg/kg	2 U	9.7 U	4.6 U	9 U	160 U	38 U	87 U	28 U	36 UJ
Hexachloroethane	mg/kg	0.4 U	2 U	0.95 U	1.8 U	32 U	7.8 U	18 U	5.8 U	7.4 U
Indeno(1,2,3-cd)pyrene	mg/kg	0.077 J	0.23 J	0.27 J	0.22 J	8.3 J	4.7 J	7.7 J	3.8 J	6 J
Isophorone	mg/kg	0.4 U	2 U	0.95 U	1.8 U	32 U	7.8 U	18 U	5.8 U	7.4 U
Naphthalene	mg/kg	0.1 J	2 U	0.95 U	1.8 U	32 U	0.98 J	1.6 J	0.2 J	7.4 U
Nitrobenzene	mg/kg	0.4 U	2 U	0.95 U	1.8 U	32 U	7.8 U	18 U	5.8 U	7.4 U
N-Nitrosodi-n-propylamine	mg/kg	0.4 U	2 U	0.95 UJ	1.8 U	32 U	7.8 U	18 U	5.8 U	7.4 U
N-Nitrosodiphenylamine	mg/kg	0.4 U	2 U	0.95 U	1.8 U	32 U	7.8 U	18 U	5.8 U	7.4 U
Pentachlorophenol	mg/kg	0.4 U	2 U	0.95 U	1.8 U	32 U	7.8 U	18 U	5.8 U	7.4 U
Phenanthrene	mg/kg	0.91	0.39 J	0.42 J	0.27 J	43	21	26	9.5	10
Phenol	mg/kg	0.17 J	2 U	0.95 U	1.8 U	32 U	7.8 U	18 U	5.8 U	7.4 U
Pyrene	mg/kg	1.1	0.55 J	0.67 J	0.36 J	31 J	21	28	14	15 J
Metals										
Antimony	mg/kg	1.5 J	0.77 J	3.4 J	0.79 J	5.6 J	1.8 B	11.0 B G	1.9 B	134 U
Arsenic	mg/kg	10.6	6.7	10.1	9.4	13.2	6.2	13.0	12.5	6.7
Barium	mg/kg	87.3	86.4	161	95.7	469	89.5	107	162	142
Beryllium	mg/kg	0.046 J	0.61 U	0.58 U	59.6	0.34 J	0.044 B	0.68 U	0.70 U	11.2 U
Cadmium	mg/kg	8.4	7.1	8.0	13.6	13.4	39.6	78.6	3.5	6.8 J
Chromium Total	mg/kg	53.0	116	168	36.5	283	98.1	237	55.7	108
Cobalt	mg/kg	6.6	7.0	12.6	11.9	22.7	3.5 B	16.5	5.7 B	21.8
Copper	mg/kg	4730	403	509	4270	767	89.0	1250	115	1130
Cyanide (total)	mg/kg	0.26 J	0.26 J	1.7	0.41 J	1.5	-	-	-	0.17 J
Lead	mg/kg	368	124	710	176	1260	303 J	910 J	217 J	235
Manganese	mg/kg	649	1020	1530	961	693	221 J	1250 J	291 J	2350
Mercury	mg/kg	18.8	23.9	5.0	2.5	22.8	0.097 B	0.54	0.95	4.9
Nickel	mg/kg	25.5 J	27.6 J	35.6	28.6 J	47.8 J	11.8	53.3	20.1	93.5
Selenium	mg/kg	0.61 U	0.61 U	0.58 U	0.56 U	0.64 J	0.35 B	1.1 B G	0.70 U	0.56 U
Silver	mg/kg	4.1	1.9	2.8	4.2	5.1	0.35 B	60.5	1.1 B	22.4 U
Thallium	mg/kg	1.2 U	1.2 U	1.2 U	1.1 U	1.9 U	0.12 B J	0.071 B J G	0.11 B	0.58 J
Vanadium	mg/kg	9.2	10.3	11.3	10.5	23.2	6.5	21.6 B G	12.9	9.0 J
Zinc	mg/kg	1320	479	686	752	1550	994 J	5930 J	1070 J	773
PCBs										
Aroclor-1016 (PCB-1016)	mg/kg	0.8 U	0.8 U	0.38 U	0.74 U	1.3 U	0.039 U	0.09 U	0.46 U	0.074 U
Aroclor-1221 (PCB-1221)	mg/kg	0.8 U	0.8 U	0.38 U	0.74 U	1.3 U	0.039 U	0.09 U	0.46 U	0.074 U
Aroclor-1232 (PCB-1232)	mg/kg	0.8 U	0.8 U	0.38 U	0.74 U	1.3 U	0.039 U	0.09 U	0.46 U	0.074 U
Aroclor-1242 (PCB-1242)	mg/kg	0.8 U	0.8 U	0.38 U	0.74 U	1.3 U	0.039 U	0.09 U	0.46 U	0.074 U
Aroclor-1248 (PCB-1248)	mg/kg	0.8 U	0.8 U	0.38 U	0.74 U	1.3 U	0.039 U	0.09 U	0.46 U	0.074 U
Aroclor-1254 (PCB-1254)	mg/kg	11	12	5.1	12	15	0.2	0.72	1.5	0.72
Aroclor-1260 (PCB-1260)	mg/kg	0.8 U	0.8 U	0.38 U	0.74 U	1.3 U	0.039 U	0.09 U	0.46 U	0.074 U
Total PCBs	mg/kg	-	-	-	-	-	-	-	-	0.72

TABLE 1a

ANALYTICAL RESULTS SUMMARY
STORM SEWER SEDIMENT
HARRISON DAYTON

Sample Location:		*MH-18*	*MH-18*	*MH-19*	*MH-19*	*MH-25*	*MH-27*	*MH-28*	*MH-34*	*MH-35*
Sample ID:		*SESS-101304-NZ-005*	*SESS-101304-NZ-006*	*SE-040802-SLE-007*	*SESS-101304-NZ-004*	*SESS-101304-NZ-003*	*SESS-102005-NZ-0007*	*SESS-102005-NZ-0006*	*SESS-102405-JC-0008*	*SE-062705-DN-0003*
Sample Date:		*10/13/2004*	*10/13/2004*	*4/8/2002*	*10/13/2004*	*10/13/2004*	*10/20/2005*	*10/20/2005*	*10/24/2005*	*6/27/2005*
			Duplicate							
							Not Validated	*Not Validated*	*Not Validated*	
Parameters	*Units*									
General Chemistry										
Total Solids	%	82.1	82.1	86.5	89.3	51.4	84.5	73.5	71.3	89.3

Notes:
U - Not present at or above the associated value.
J - Estimated concentration.
UJ - Estimated reporting limit.
R - Rejected.

TABLE 1a

ANALYTICAL RESULTS SUMMARY
STORM SEWER SEDIMENT
HARRISON DAYTON

Sample Location:		*MH-35*	*MH-36*	*MH-36*	*MH-37*	*MH-38*	*MH-39*
Sample ID:		*SESS-102005-NZ-0004*	*SE-062705-DN-0001*	*SESS-102005-NZ-0005*	*SESS-101304-NZ-022*	*SESS-102005-NZ-0002*	*SESS-102005-NZ-0001*
Sample Date:		*10/20/2005*	*6/27/2005*	*10/20/2005*	*10/13/2004*	*10/20/2005*	*10/20/2005*
		Not Validated		*Not Validated*		*Not Validated*	*Not Validated*
Parameters	*Units*						
Volatile Organic Compounds							
1,1,1-Trichloroethane	mg/kg	0.006 U	0.0063 UJ	0.0044 U	0.96 U	0.0053 U	0.32 U
1,1,2,2-Tetrachloroethane	mg/kg	0.006 U	0.0063 UJ	0.0044 U	0.96 U	0.0053 U	0.32 U
1,1,2-Trichloroethane	mg/kg	0.006 U	0.0063 UJ	0.0044 U	0.96 U	0.0053 U	0.32 U
1,1-Dichloroethane	mg/kg	0.006 U	0.0063 UJ	0.0044 U	0.96 U	0.0053 U	0.32 U
1,1-Dichloroethene	mg/kg	0.006 U	0.0063 UJ	0.0044 U	0.96 U	0.0053 U	0.32 U
1,2,4-Trichlorobenzene	mg/kg	0.006 U	0.0063 UJ	0.0044 U	0.96 U	0.0053 U	0.32 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/kg	0.012 U	0.013 UJ	0.0088 U	1.9 U	0.011 U	0.64 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/kg	0.006 U	0.0063 UJ	0.0044 U	0.96 U	0.0053 U	0.32 U
1,2-Dichlorobenzene	mg/kg	0.006 U	0.0063 UJ	0.0044 U	0.96 U	0.0053 U	0.32 U
1,2-Dichloroethane	mg/kg	0.006 U	0.0063 UJ	0.0044 U	0.96 U	0.0053 U	0.32 U
1,2-Dichloropropane	mg/kg	0.006 U	0.0063 UJ	0.0044 U	0.96 U	0.0053 U	0.32 U
1,3-Dichlorobenzene	mg/kg	0.006 U	0.0063 UJ	0.0044 U	0.96 U	0.0053 U	0.32 U
1,4-Dichlorobenzene	mg/kg	0.006 U	0.0063 UJ	0.0044 U	0.96 U	0.0053 U	0.32 U
2-Butanone (Methyl Ethyl Ketone)	mg/kg	0.024 U	0.02 J	0.029	3.8 U	0.021 U	1.3 U
2-Hexanone	mg/kg	0.024 U	0.025 UJ	0.01 J	3.8 U	0.021 U	1.3 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/kg	0.024 U	0.0036 J	0.0071 J	3.8 U	0.021 U	1.3 U
Acetone	mg/kg	0.0046 J	0.071 J	0.13	3.8 U	0.021 U	0.19 J B
Benzene	mg/kg	0.006 U	0.0063 UJ	0.00028 J	0.96 U	0.0053 U	0.32 U
Bromodichloromethane	mg/kg	0.006 U	0.0063 UJ	0.0044 U	0.96 U	0.0053 U	0.32 U
Bromoform	mg/kg	0.006 U	0.0063 UJ	0.0044 U	0.96 U	0.0053 U	0.32 U
Bromomethane (Methyl Bromide)	mg/kg	0.006 U	0.0063 UJ	0.0044 U	0.96 U	0.0053 U	0.32 U
Carbon disulfide	mg/kg	0.006 U	0.001 J	0.0044 U	0.96 U	0.0053 U	0.32 U
Carbon tetrachloride	mg/kg	0.006 U	0.0063 UJ	0.0044 U	0.96 U	0.0053 U	0.32 U
Chlorobenzene	mg/kg	0.006 U	0.0063 UJ	0.0044 U	0.96 U	0.0053 U	0.32 U
Chloroethane	mg/kg	0.006 U	0.0063 UJ	0.0044 U	0.96 U	0.0053 U	0.32 U
Chloroform (Trichloromethane)	mg/kg	0.006 U	0.0063 UJ	0.0044 U	0.96 U	0.0053 U	0.32 U
Chloromethane (Methyl Chloride)	mg/kg	0.006 U	0.0063 UJ	0.0044 U	0.96 U	0.0053 U	0.32 U
cis-1,2-Dichloroethene	mg/kg	0.006 U	0.00069 J	0.0008 J	0.96 U	0.0053 U	0.32 U
cis-1,3-Dichloropropene	mg/kg	0.006 U	0.0063 UJ	0.0044 U	0.96 U	0.0053 U	0.32 U
Cyclohexane	mg/kg	0.012 U	0.013 UJ	0.0088 U	1.9 U	0.011 U	0.64 U
Dibromochloromethane	mg/kg	0.006 U	0.0063 UJ	0.0044 U	0.96 U	0.0053 U	0.32 U
Dichlorodifluoromethane (CFC-12)	mg/kg	0.006 U	0.0063 UJ	0.0044 U	0.96 UJ	0.0053 U	0.32 U
Ethylbenzene	mg/kg	0.006 U	0.0063 UJ	0.0035 J	0.96 U	0.0053 U	0.32 U
Isopropylbenzene	mg/kg	0.006 U	0.0063 UJ	0.0044 U	0.96 U	0.0053 U	0.32 U
Methyl acetate	mg/kg	0.012 U	0.013 UJ	0.0088 U	1.9 U	0.011 U	0.35 J B
Methyl cyclohexane	mg/kg	0.012 U	0.013 UJ	0.0088 U	1.9 U	0.011 U	0.026 J
Methyl Tert Butyl Ether	mg/kg	0.024 U	0.025 UJ	0.018 U	3.8 U	0.021 U	1.3 U
Methylene chloride	mg/kg	0.006 U	0.011 UJ	0.002 J	0.96 U	0.0053 U	0.32 U
Styrene	mg/kg	0.006 U	0.0063 UJ	0.0044 U	0.96 U	0.0053 U	0.32 U
Tetrachloroethene	mg/kg	0.006 U	0.02 J	0.0083	6.1	0.0031 J	6.7
Toluene	mg/kg	0.006 U	0.0063 UJ	0.004 J	0.96 U	0.00062 J	0.32 U
trans-1,2-Dichloroethene	mg/kg	0.006 U	0.0063 UJ	0.0044 U	0.96 U	0.0053 U	0.32 U
trans-1,3-Dichloropropene	mg/kg	0.006 U	0.0063 UJ	0.0044 U	0.96 U	0.0053 U	0.32 U
Trichloroethene	mg/kg	0.006 U	0.01 J	0.0067	2.8	0.0013 J	0.78
Trichlorofluoromethane (CFC-11)	mg/kg	0.006 U	0.0063 UJ	0.0044 U	0.96 U	0.0053 U	0.32 U
Trifluorotrichloroethane (Freon 113)	mg/kg	0.006 U	0.0063 UJ	0.0044 U	0.96 U	0.0053 U	0.032 J
Vinyl chloride	mg/kg	0.006 U	0.0063 UJ	0.0044 U	0.96 U	0.0053 U	0.32 U
Xylene (total)	mg/kg	0.012 U	0.013 UJ	0.018	1.9 U	0.0011 J	0.64 U

TABLE 1a

ANALYTICAL RESULTS SUMMARY
STORM SEWER SEDIMENT
HARRISON DAYTON

Sample Location:		*MH-35*	*MH-36*	*MH-36*	*MH-37*	*MH-38*	*MH-39*
Sample ID:		*SESS-102005-NZ-0004*	*SE-062705-DN-0001*	*SESS-102005-NZ-0005*	*SESS-101304-NZ-022*	*SESS-102005-NZ-0002*	*SESS-102005-NZ-0001*
Sample Date:		*10/20/2005*	*6/27/2005*	*10/20/2005*	*10/13/2004*	*10/20/2005*	*10/20/2005*
		Not Validated		*Not Validated*		*Not Validated*	*Not Validated*
Parameters	*Units*						
Semi-Volatile Organic Compounds							
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/kg	7.5 U	R	54 U	25 U	3.6 U	5.1 U
2,4,5-Trichlorophenol	mg/kg	7.5 U	R	54 U	25 U	3.6 U	5.1 U
2,4,6-Trichlorophenol	mg/kg	7.5 U	R	54 U	25 U	3.6 U	5.1 U
2,4-Dichlorophenol	mg/kg	7.5 U	R	54 U	25 U	3.6 U	5.1 U
2,4-Dimethylphenol	mg/kg	7.5 U	R	54 U	25 U	3.6 U	5.1 U
2,4-Dinitrophenol	mg/kg	36 U	R	260 U	120 U	18 U	25 U
2,4-Dinitrotoluene	mg/kg	7.5 U	R	54 U	25 U	3.6 U	5.1 U
2,6-Dinitrotoluene	mg/kg	7.5 U	R	54 U	25 U	3.6 U	5.1 U
2-Chloronaphthalene	mg/kg	7.5 U	R	54 U	25 U	3.6 U	5.1 U
2-Chlorophenol	mg/kg	7.5 U	R	54 U	25 U	3.6 U	5.1 U
2-Methylnaphthalene	mg/kg	0.49 J	0.019 J	54 U	2.2 J	0.18 J	0.17 J
2-Methylphenol	mg/kg	7.5 U	R	54 U	25 U	3.6 U	5.1 U
2-Nitroaniline	mg/kg	36 U	R	260 U	120 U	18 U	25 U
2-Nitrophenol	mg/kg	7.5 U	R	54 U	25 U	3.6 U	5.1 U
3,3'-Dichlorobenzidine	mg/kg	36 U	R	260 U	120 U	18 U	25 U
3-Nitroaniline	mg/kg	36 U	R	260 U	120 U	18 U	25 U
4,6-Dinitro-2-methylphenol	mg/kg	36 U	R	260 U	120 U	18 U	25 U
4-Bromophenyl phenyl ether	mg/kg	7.5 U	R	54 U	25 U	3.6 U	5.1 U
4-Chloro-3-methylphenol	mg/kg	7.5 U	R	54 U	25 U	3.6 U	5.1 U
4-Chloroaniline	mg/kg	7.5 U	R	54 U	25 U	3.6 U	5.1 U
4-Chlorophenyl phenyl ether	mg/kg	7.5 U	R	54 U	25 U	3.6 U	5.1 U
4-Methylphenol	mg/kg	7.5 U	R	54 U	25 U	3.6 U	5.1 U
4-Nitroaniline	mg/kg	36 U	R	260 U	120 U	1.2 J	25 U
4-Nitrophenol	mg/kg	36 U	R	260 U	120 U	18 U	25 U
Acenaphthene	mg/kg	2.9 J	0.019 J	54 U	25 U	0.82 J	0.54 J
Acenaphthylene	mg/kg	7.5 U	0.021 J	54 U	25 U	0.11 J	0.14 J
Acetophenone	mg/kg	7.5 U	R	54 U	25 U	3.6 U	5.1 U
Anthracene	mg/kg	4.4 J	0.096 J	1.6 J	25 U	2 J	1.4 J
Atrazine	mg/kg	7.5 U	R	54 U	25 U	3.6 U	5.1 U
Benzaldehyde	mg/kg	7.5 U	R	54 U	25 U	3.6 U	5.1 U
Benzo(a)anthracene	mg/kg	10	0.45 J	4 J	25 U	4.3	7.4
Benzo(a)pyrene	mg/kg	8.6	0.42 J	4.7 J	25 U	3.9	9.7
Benzo(b)fluoranthene	mg/kg	12	0.58 J	6.8 J	25 U	5.5	15
Benzo(g,h,i)perylene	mg/kg	5.8 J	0.34 J	54 U	25 U	2.1 J	9.7
Benzo(k)fluoranthene	mg/kg	4.2 J	0.28 J	2.9 J	25 U	2.3 J	6
Biphenyl	mg/kg	7.5 U	R	54 U	25 U	3.6 U	5.1 U
bis(2-Chloroethoxy)methane	mg/kg	7.5 U	R	54 U	25 U	3.6 U	5.1 U
bis(2-Chloroethyl)ether	mg/kg	7.5 U	R	54 U	25 U	3.6 U	5.1 U
bis(2-Ethylhexyl)phthalate	mg/kg	1.3 J B	0.17 J	33 J B	25 U	1.3 J B	0.76 J B
Butyl benzylphthalate	mg/kg	7.5 U	R	54 U	25 U	3.6 U	5.1 U
Caprolactam	mg/kg	7.5 U	R	54 U	25 U	3.6 U	5.1 U
Carbazole	mg/kg	2.8 J	0.049 J	54 U	25 U	1.3 J	1 J
Chrysene	mg/kg	8.9	0.47 J	4.3 J	25 U	4.8	8.6
Dibenz(a,h)anthracene	mg/kg	1 J	0.076 J	54 U	25 U	0.44 J	1.2 J
Dibenzofuran	mg/kg	1.5 J	0.039 J	54 U	25 U	0.61 J	0.36 J
Diethyl phthalate	mg/kg	7.5 U	R	54 U	25 U	3.6 U	5.1 U
Dimethyl phthalate	mg/kg	7.5 U	R	54 U	25 U	3.6 U	5.1 U

TABLE 1a

ANALYTICAL RESULTS SUMMARY
STORM SEWER SEDIMENT
HARRISON DAYTON

Sample Location:		*MH-35*	*MH-36*	*MH-36*	*MH-37*	*MH-38*	*MH-39*
Sample ID:		*SESS-102005-NZ-0004*	*SE-062705-DN-0001*	*SESS-102005-NZ-0005*	*SESS-101304-NZ-022*	*SESS-102005-NZ-0002*	*SESS-102005-NZ-0001*
Sample Date:		*10/20/2005*	*6/27/2005*	*10/20/2005*	*10/13/2004*	*10/20/2005*	*10/20/2005*
		Not Validated		*Not Validated*		*Not Validated*	*Not Validated*
Parameters	***Units***						
Di-n-butylphthalate	mg/kg	7.5 U	R	54 U	25 U	3.6 U	1.9 J
Di-n-octyl phthalate	mg/kg	7.5 U	R	54 U	25 U	3.6 U	5.1 U
Fluoranthene	mg/kg	26	1.1 J	9.4 J	1.4 J	12	15
Fluorene	mg/kg	2.3 J	R	54 U	25 U	0.86 J	0.33 J
Hexachlorobenzene	mg/kg	7.5 U	R	54 U	25 U	3.6 U	5.1 U
Hexachlorobutadiene	mg/kg	7.5 U	R	54 U	25 U	3.6 U	5.1 U
Hexachlorocyclopentadiene	mg/kg	36 U	R	260 U	120 U	18 U	25 U
Hexachloroethane	mg/kg	7.5 U	R	54 U	25 U	3.6 U	5.1 U
Indeno(1,2,3-cd)pyrene	mg/kg	4.7 J	0.28 J	54 U	25 U	2.2 J	7.5
Isophorone	mg/kg	7.5 U	R	54 U	25 U	3.6 U	5.1 U
Naphthalene	mg/kg	1.8 J	0.069 J	54 U	25 U	0.33 J	0.17 J
Nitrobenzene	mg/kg	7.5 U	R	54 U	25 U	3.6 U	5.1 U
N-Nitrosodi-n-propylamine	mg/kg	7.5 U	R	54 U	25 U	3.6 U	5.1 U
N-Nitrosodiphenylamine	mg/kg	7.5 U	R	54 U	25 U	3.6 U	5.1 U
Pentachlorophenol	mg/kg	7.5 U	R	54 U	25 U	3.6 U	5.1 U
Phenanthrene	mg/kg	20	0.61 J	5.5 J	2.6 J	9	9.4
Phenol	mg/kg	7.5 U	R	54 U	25 U	3.6 U	5.1 U
Pyrene	mg/kg	21	0.94 J	9.6 J	1.8 J	9.3	14
Metals							
Antimony	mg/kg	2.0 B	7.2 J	8.5 B G	6.4 J	2.3 B	8.4
Arsenic	mg/kg	5.4	8.2	11.2	48.0	5.4	7.6
Barium	mg/kg	610	131	1240	450	355	1900
Beryllium	mg/kg	0.57 U	0.63 U	0.66 U	0.77 U	0.55 U	0.62 U
Cadmium	mg/kg	3.3	16.1	9.9	93.1	4.2	64.0
Chromium Total	mg/kg	57.1	71.3	106	802	36.6	446
Cobalt	mg/kg	5.2 B	13.6	13.1	29.1	11.4	6.4
Copper	mg/kg	95.4	405	397	3000	43.9	7270
Cyanide (total)	mg/kg	-	0.22 J	-	2.1	-	-
Lead	mg/kg	50.2 J	339	442 J	2400	137 J	792 J
Manganese	mg/kg	444 J	1990	1720 J	1460	304 J	468 J
Mercury	mg/kg	0.25	2.6	-	5.8	0.15	14.7
Nickel	mg/kg	21.4	47.5	63.5	320 J	16.4	218
Selenium	mg/kg	0.57 U	0.63 U	3.3 U G	3.3 J	0.27 B	1.6 B
Silver	mg/kg	0.39 B	1.5	1.9	49.3	4.4	214
Thallium	mg/kg	0.12 B J	0.28 J	0.37 B J G	7.7 U	0.10 B J	0.18 B J G
Vanadium	mg/kg	10.8	15.7 J	5.5 B G	28.4 J	12.3	15.5
Zinc	mg/kg	673 J	1420	1850 J	1800	844 J	2150 J
PCBs							
Aroclor-1016 (PCB-1016)	mg/kg	0.37 U	0.083 U	0.087 U	100 U	0.73 U	0.41 U
Aroclor-1221 (PCB-1221)	mg/kg	0.37 U	0.083 U	0.087 U	100 U	0.73 U	0.41 U
Aroclor-1232 (PCB-1232)	mg/kg	0.37 U	0.083 U	0.087 U	100 U	0.73 U	0.41 U
Aroclor-1242 (PCB-1242)	mg/kg	0.37 U	0.083 U	0.087 U	100 U	0.73 U	0.41 U
Aroclor-1248 (PCB-1248)	mg/kg	0.37 U	0.083 U	0.087 U	100 U	0.73 U	0.41 U
Aroclor-1254 (PCB-1254)	mg/kg	2	1	0.91	1900	4.6	4.4
Aroclor-1260 (PCB-1260)	mg/kg	0.37 U	0.083 U	0.087 U	100 U	0.73 U	0.41 U
Total PCBs	mg/kg	-	1	-	-	-	-

TABLE 1a

ANALYTICAL RESULTS SUMMARY
STORM SEWER SEDIMENT
HARRISON DAYTON

Sample Location:		*MH-35*	*MH-36*	*MH-36*	*MH-37*	*MH-38*	*MH-39*
Sample ID:		*SESS-102005-NZ-0004*	*SE-062705-DN-0001*	*SESS-102005-NZ-0005*	*SESS-101304-NZ-022*	*SESS-102005-NZ-0002*	*SESS-102005-NZ-0001*
Sample Date:		*10/20/2005*	*6/27/2005*	*10/20/2005*	*10/13/2004*	*10/20/2005*	*10/20/2005*
		Not Validated		*Not Validated*		*Not Validated*	*Not Validated*
Parameters	*Units*						
General Chemistry							
Total Solids	%	88.0	79.7	76.1	65.3	90.9	80.8

Notes:
U - Not present at or above the associated value.
J - Estimated concentration.
UJ - Estimated reporting limit.
R - Rejected.

TABLE 1b

ANALYTICAL RESULTS SUMMARY
STORM SEWER WATER
HARRISON DAYTON

Sample Location:		*INT-5*	*INT-5*	*MH-26/INT-6*	*MH-26/INT-6*	*MH-5*	*MH-6*	*MH-7*	*MH-7*	*MH-8*	*MH-8*
Sample ID:		*W-040802-SLE-010*	*WSS-101304-NZ-001*	*W-040802-SLE-009*	*WSS-101304-NZ-002*	*WSS-101304-NZ-018*	*WSS-101304-NZ-017*	*W-040402-SLE-001*	*WSS-101304-NZ-016*	*W-040402-SLE-002*	*WSS-101304-NZ-013*
Sample Date:		*4/8/2002*	*10/13/2004*	*4/8/2002*	*10/13/2004*	*10/13/2004*	*10/13/2004*	*4/4/2002*	*10/13/2004*	*4/4/2002*	*10/13/2004*
Parameters	***Units***										
Volatile Organic Compounds											
1,1,1-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.001 UJ	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 UJ	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 U	0.002 U	0.002 U	0.002 U	0.002 UJ	0.002 UJ	0.002 U	0.002 UJ	0.002 U	0.002 UJ
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.00068 J	0.00064 J	0.00057 J	0.0011 J	0.0005 J	0.00074 J
2-Hexanone	mg/L	0.01 U	0.01 UJ	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 U	0.01 UJ	0.01 U	0.00047 J
Acetone	mg/L	0.01 U	0.001 J	0.01 U	0.001 J	0.0025 J	0.0019 J	0.01 U	0.0045 J	0.01 U	0.0031 J
Benzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 UJ	0.001 U	0.001 UJ	0.001 U	0.001 UJ
Bromomethane (Methyl Bromide)	mg/L	0.001 U	0.001 UJ	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Carbon disulfide	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Carbon tetrachloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	0.001 U	0.001 UJ	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl Chloride)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	0.0005 U	0.0005 U	0.0005 U	0.00023 J	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 UJ	0.001 U	0.001 UJ	0.001 U	0.001 UJ
Dichlorodifluoromethane (CFC-12)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 UJ	0.001 U	0.001 UJ	0.001 U	0.001 UJ
Ethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Isopropylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl acetate	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl Tert Butyl Ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Methylene chloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Styrene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0006 J	0.001 U	0.003	0.001 U
Toluene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
trans-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	0.001 U	0.00031 J	0.001 U	0.00058 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylene (total)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U

TABLE 1b

ANALYTICAL RESULTS SUMMARY
STORM SEWER WATER
HARRISON DAYTON

Sample Location:		*INT-5*	*INT-5*	*MH-26/INT-6*	*MH-26/INT-6*	*MH-5*	*MH-6*	*MH-7*	*MH-7*	*MH-8*	*MH-8*
Sample ID:		*W-040802-SLE-010*	*WSS-101304-NZ-001*	*W-040802-SLE-009*	*WSS-101304-NZ-002*	*WSS-101304-NZ-018*	*WSS-101304-NZ-017*	*W-040402-SLE-001*	*WSS-101304-NZ-016*	*W-040402-SLE-002*	*WSS-101304-NZ-013*
Sample Date:		*4/8/2002*	*10/13/2004*	*4/8/2002*	*10/13/2004*	*10/13/2004*	*10/13/2004*	*4/4/2002*	*10/13/2004*	*4/4/2002*	*10/13/2004*
Parameters	***Units***										
Semi-Volatile Organic Compounds											
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4,5-Trichlorophenol	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4,6-Trichlorophenol	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4-Dichlorophenol	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4-Dimethylphenol	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4-Dinitrophenol	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 UJ	0.05 U
2,4-Dinitrotoluene	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,6-Dinitrotoluene	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2-Chloronaphthalene	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2-Chlorophenol	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2-Methylnaphthalene	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2-Methylphenol	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2-Nitroaniline	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
2-Nitrophenol	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
3,3'-Dichlorobenzidine	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
3-Nitroaniline	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
4,6-Dinitro-2-methylphenol	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
4-Bromophenyl phenyl ether	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Chloro-3-methylphenol	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Chloroaniline	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Chlorophenyl phenyl ether	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Methylphenol	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Nitroaniline	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
4-Nitrophenol	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Acenaphthene	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Acenaphthylene	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Acetophenone	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Anthracene	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Atrazine	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzaldehyde	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)anthracene	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)pyrene	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(b)fluoranthene	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(g,h,i)perylene	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(k)fluoranthene	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Biphenyl	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
bis(2-Chloroethoxy)methane	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
bis(2-Chloroethyl)ether	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
bis(2-Ethylhexyl)phthalate	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0068 J	0.01 U	0.0029 J	0.01 U
Butyl benzylphthalate	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Caprolactam	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.0028 J	0.0024 J	0.01 U	0.018	0.01 U	0.0047 J
Carbazole	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Chrysene	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Dibenz(a,h)anthracene	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Dibenzofuran	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Diethyl phthalate	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Dimethyl phthalate	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U

TABLE 1b

ANALYTICAL RESULTS SUMMARY
STORM SEWER WATER
HARRISON DAYTON

Sample Location:		*INT-5*	*INT-5*	*MH-26/INT-6*	*MH-26/INT-6*	*MH-5*	*MH-6*	*MH-7*	*MH-7*	*MH-8*	*MH-8*
Sample ID:		*W-040802-SLE-010*	*WSS-101304-NZ-001*	*W-040802-SLE-009*	*WSS-101304-NZ-002*	*WSS-101304-NZ-018*	*WSS-101304-NZ-017*	*W-040402-SLE-001*	*WSS-101304-NZ-016*	*W-040402-SLE-002*	*WSS-101304-NZ-013*
Sample Date:		*4/8/2002*	*10/13/2004*	*4/8/2002*	*10/13/2004*	*10/13/2004*	*10/13/2004*	*4/4/2002*	*10/13/2004*	*4/4/2002*	*10/13/2004*
Parameters	***Units***										
Di-n-butylphthalate	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Di-n-octyl phthalate	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Fluoranthene	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Fluorene	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Hexachlorobenzene	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Hexachlorobutadiene	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Hexachlorocyclopentadiene	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Hexachloroethane	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Indeno(1,2,3-cd)pyrene	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Isophorone	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Naphthalene	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Nitrobenzene	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
N-Nitrosodi-n-propylamine	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
N-Nitrosodiphenylamine	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Pentachlorophenol	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Phenanthrene	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Phenol	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.00079 J	0.01 U	0.01 U
Pyrene	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Metals											
Antimony	mg/L	0.06 U	0.0020 U	0.06 U	0.0020 U	0.0056	0.013	0.06 U	0.0023	0.06 U	0.0021
Arsenic	mg/L	0.01 U	0.010 U	0.01 U	0.010 U	0.010 U	0.010 U	0.01 U	0.0034 J	0.01 U	0.010 U
Barium	mg/L	0.0099 J	0.022 J	0.0089 J	0.035 J	0.045 J	0.058 J	0.025 J	0.069 J	0.2 U	0.091 J
Beryllium	mg/L	0.005 U	0.0010 U	0.005 U	0.0010 U	0.0010 U	0.0010 U	0.005 U	0.0010 U	0.005 U	0.0010 U
Cadmium	mg/L	0.0050 U	0.0013 J	0.0050 U	0.00083 J	0.00091 J	0.00096 J	0.0050 U	0.0012 J	0.0050 U	0.0017 J
Chromium Total	mg/L	0.010 U	0.010 U	0.01 U	0.010 U	0.010 U	0.0027 J	0.010 U	0.0053 J	0.01 U	0.0072 J
Cobalt	mg/L	0.05 U	0.050 U	0.05 U	0.050 U	0.050 U	0.050 U	0.050 U	0.0016 J	0.05 U	0.0023 J
Copper	mg/L	0.012 J	0.022 J	0.025 U	0.036	0.069	0.14	0.015 J	0.10	0.025 U	0.077
Cyanide (total)	mg/L	0.01 U	0.010 U	0.01 U	0.010 U	0.010 U	0.010 U	0.01 U	0.010 U	0.01 U	0.010 U
Lead	mg/L	0.0050	0.0059	0.003 U	0.0023 J	0.0029 J	0.0097	0.003 U	0.016	0.003 U	0.041
Manganese	mg/L	0.015 U	0.014 J	0.015 U	0.041	0.041	0.066	0.011 J	0.056	0.015 U	0.045
Mercury	mg/L	0.0002 U	0.00020 U	0.0002 U	0.00020 U	0.00020 U	0.00020 U	0.0002 U	0.000040 J	0.000093 J	0.00054
Nickel	mg/L	0.04 U	0.040 U	0.04 U	0.040 U	0.040 U	0.040 U	0.040 U	0.0065 J	0.04 U	0.0039 J
Selenium	mg/L	0.005 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.005 U	0.0050 U	0.005 U	0.0050 U
Silver	mg/L	0.01 U	0.010 U	0.01 U	0.010 U	0.010 U	0.010 U	0.01 U	0.010 U	0.01 U	0.010 U
Thallium	mg/L	0.0054 J	0.0010 U	0.01 U	0.0010 U	0.0010 U	0.0010 U	0.010 U	0.0010 U	0.010 U	0.000029 J
Vanadium	mg/L	0.05 U	0.050 U	0.05 U	0.050 U	0.050 U	0.050 U	0.05 U	0.0018 J	0.05 U	0.0030 J
Zinc	mg/L	0.39	0.25	0.55	0.43	1.0	0.42	0.10	0.22	0.02 U	0.29
PCBs											
Aroclor-1016 (PCB-1016)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	R	0.0002 U	0.0002 U
Aroclor-1221 (PCB-1221)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	R	0.0002 U	0.0002 U
Aroclor-1232 (PCB-1232)	mg/L	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	R	0.0004 U	0.0004 U
Aroclor-1242 (PCB-1242)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.00027	R	0.00022	0.0002 U
Aroclor-1248 (PCB-1248)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	R	0.0002 U	0.0002 U
Aroclor-1254 (PCB-1254)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	R	0.0002 U	0.00028
Aroclor-1260 (PCB-1260)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	R	0.0002 U	0.0002 U

TABLE 1b

ANALYTICAL RESULTS SUMMARY
STORM SEWER WATER
HARRISON DAYTON

Sample Location:		*INT-5*	*INT-5*	*MH-26/INT-6*	*MH-26/INT-6*	*MH-5*	*MH-6*	*MH-7*	*MH-7*	*MH-8*	*MH-8*
Sample ID:		*W-040802-SLE-010*	*WSS-101304-NZ-001*	*W-040802-SLE-009*	*WSS-101304-NZ-002*	*WSS-101304-NZ-018*	*WSS-101304-NZ-017*	*W-040402-SLE-001*	*WSS-101304-NZ-016*	*W-040402-SLE-002*	*WSS-101304-NZ-013*
Sample Date:		*4/8/2002*	*10/13/2004*	*4/8/2002*	*10/13/2004*	*10/13/2004*	*10/13/2004*	*4/4/2002*	*10/13/2004*	*4/4/2002*	*10/13/2004*
Parameters	*Units*										

Notes:
U - Not present at or above the associated value.
J - Estimated concentration.
UJ - Estimated reporting limit.
R - Rejected.

TABLE 1b

ANALYTICAL RESULTS SUMMARY
STORM SEWER WATER
HARRISON DAYTON

Sample Location:		*MH-9*	*MH-9*	*MH-9*	*MH-10*	*MH-11*	*MH-11*	*MH-11*	*MH-12*	*MH-12*
Sample ID:		*W-040502-SLE-003*	*WSS-101304-NZ-012*	*WSS-101504-NZ-012*	*WSS-102405-JC-0001*	*W-040502-SLE-004*	*WSS-101304-NZ-011*	*WSS-101504-NZ-011*	*WSS-101304-NZ-010*	*WSS-101504-NZ-010*
Sample Date:		*4/5/2002*	*10/13/2004*	*10/15/2004*	*10/24/2005*	*4/5/2002*	*10/13/2004*	*10/15/2004*	*10/13/2004*	*10/15/2004*
					Not Validated					
Parameters	*Units*									
Volatile Organic Compounds										
1,1,1-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 U	0.002 UJ	0.002 U	0.001 U	0.002 U	0.002 UJ	0.002 U	0.002 UJ	0.002 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.00047 J	0.00075 J	0.01 UJ	0.00066 J	0.01 U	0.00081 J	0.01 UJ	0.00057 J	0.01 UJ
2-Hexanone	mg/L	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 UJ
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.01 U	0.00038 J	0.01 UJ	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 UJ	0.01 UJ
Acetone	mg/L	0.01 U	0.003 J	0.0033 J	0.004 J B	0.01 U	0.0027 J	0.01 UJ	0.0022 J	0.00094 J
Benzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0039
Bromoform	mg/L	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 UJ	0.001 UJ	0.0014
Bromomethane (Methyl Bromide)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Carbon disulfide	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Carbon tetrachloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl Chloride)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	0.0005 U	0.0005 U	0.00086	0.00034 J	0.027	0.0027	0.0025	0.0005 U	0.0005 U
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 UJ	0.001 UJ	0.0038
Dichlorodifluoromethane (CFC-12)	mg/L	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 UJ	0.001 U
Ethylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00067 J	0.001 U
Isopropylbenzene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl acetate	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methyl Tert Butyl Ether	mg/L	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Methylene chloride	mg/L	0.001 U	0.001 U	0.001 U	0.005 U	0.001 U	0.001 U	0.00037 J	0.001 U	0.001 U
Styrene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.0011	0.00035 J	0.013	0.0004 J	0.011	0.00078 J	0.00025 J	0.001 U	0.001 U
Toluene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	0.0005 U	0.0005 U	0.0005 U	0.001 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
trans-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	0.00019 J	0.001 U	0.0028	0.001 U	0.0054	0.00059 J	0.00052 J	0.00071 J	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	0.001 U	0.001 U	0.001 U	0.001 U	0.00065 J	0.001 U	0.001 U	0.001 U	0.001 U
Xylene (total)	mg/L	0.001 U	0.001 U	0.001 U	0.002 U	0.001 U	0.001 U	0.001 U	0.0036	0.001 U

TABLE 1b

ANALYTICAL RESULTS SUMMARY
STORM SEWER WATER
HARRISON DAYTON

Sample Location:		*MH-9*	*MH-9*	*MH-9*	*MH-10*	*MH-11*	*MH-11*	*MH-11*	*MH-12*	*MH-12*
Sample ID:		*W-040502-SLE-003*	*WSS-101304-NZ-012*	*WSS-101504-NZ-012*	*WSS-102405-JC-0001*	*W-040502-SLE-004*	*WSS-101304-NZ-011*	*WSS-101504-NZ-011*	*WSS-101304-NZ-010*	*WSS-101504-NZ-010*
Sample Date:		*4/5/2002*	*10/13/2004*	*10/15/2004*	*10/24/2005*	*4/5/2002*	*10/13/2004*	*10/15/2004*	*10/13/2004*	*10/15/2004*
					Not Validated					
Parameters	*Units*									
Semi-Volatile Organic Compounds										
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
2,4,5-Trichlorophenol	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
2,4,6-Trichlorophenol	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
2,4-Dichlorophenol	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
2,4-Dimethylphenol	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
2,4-Dinitrophenol	mg/L	0.05 UJ	0.2 U	0.05 UJ	0.05 U	0.05 UJ	0.2 U	0.05 U	-	0.05 U
2,4-Dinitrotoluene	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
2,6-Dinitrotoluene	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
2-Chloronaphthalene	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
2-Chlorophenol	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
2-Methylnaphthalene	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
2-Methylphenol	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
2-Nitroaniline	mg/L	0.05 U	0.2 U	0.05 UJ	0.05 U	0.05 U	0.2 U	0.05 U	-	0.05 U
2-Nitrophenol	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
3,3'-Dichlorobenzidine	mg/L	0.05 U	0.2 U	0.05 UJ	0.05 U	0.05 U	0.2 U	0.05 U	-	0.05 U
3-Nitroaniline	mg/L	0.05 U	0.2 U	0.05 UJ	0.05 U	0.05 U	0.2 U	0.05 U	-	0.05 U
4,6-Dinitro-2-methylphenol	mg/L	0.05 U	0.2 U	0.05 UJ	0.05 U	0.05 U	0.2 U	0.05 U	-	0.05 U
4-Bromophenyl phenyl ether	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
4-Chloro-3-methylphenol	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
4-Chloroaniline	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
4-Chlorophenyl phenyl ether	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
4-Methylphenol	mg/L	0.01 U	0.04 U	0.01 UJ	0.00077 J #	0.01 U	0.04 U	0.01 U	-	0.01 U
4-Nitroaniline	mg/L	0.05 U	0.2 U	0.05 UJ	0.05 U	0.05 U	0.2 U	0.05 U	-	0.05 U
4-Nitrophenol	mg/L	0.05 U	0.2 U	0.05 UJ	0.05 U	0.0023 J	0.2 U	0.05 U	-	0.05 U
Acenaphthene	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
Acenaphthylene	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
Acetophenone	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
Anthracene	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
Atrazine	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
Benzaldehyde	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
Benzo(a)anthracene	mg/L	0.01 U	0.04 U	0.01 UJ	0.00076 J	0.01 U	0.04 U	0.01 U	-	0.01 U
Benzo(a)pyrene	mg/L	0.01 U	0.04 U	0.01 UJ	0.00061 J	0.01 U	0.04 U	0.01 U	-	0.01 U
Benzo(b)fluoranthene	mg/L	0.01 U	0.04 U	0.01 UJ	0.00087 J	0.01 U	0.04 U	0.01 U	-	0.01 U
Benzo(g,h,i)perylene	mg/L	0.01 U	0.04 U	0.01 UJ	0.00044 J	0.01 U	0.04 U	0.01 U	-	0.01 U
Benzo(k)fluoranthene	mg/L	0.01 U	0.04 U	0.01 UJ	0.00045 J	0.01 U	0.04 U	0.01 U	-	0.01 U
Biphenyl	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
bis(2-Chloroethoxy)methane	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
bis(2-Chloroethyl)ether	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
bis(2-Ethylhexyl)phthalate	mg/L	0.01 U	0.04 U	0.01 UJ	0.00092 J	0.01 U	0.04 U	0.01 U	-	0.01 U
Butyl benzylphthalate	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
Caprolactam	mg/L	0.01 U	0.0041 J	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
Carbazole	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
Chrysene	mg/L	0.01 U	0.04 U	0.01 UJ	0.00085 J	0.01 U	0.04 U	0.01 U	-	0.01 U
Dibenz(a,h)anthracene	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
Dibenzofuran	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
Diethyl phthalate	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
Dimethyl phthalate	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U

TABLE 1b

ANALYTICAL RESULTS SUMMARY
STORM SEWER WATER
HARRISON DAYTON

Sample Location:		*MH-9*	*MH-9*	*MH-9*	*MH-10*	*MH-11*	*MH-11*	*MH-11*	*MH-12*	*MH-12*
Sample ID:		*W-040502-SLE-003*	*WSS-101304-NZ-012*	*WSS-101504-NZ-012*	*WSS-102405-JC-0001*	*W-040502-SLE-004*	*WSS-101304-NZ-011*	*WSS-101504-NZ-011*	*WSS-101304-NZ-010*	*WSS-101504-NZ-010*
Sample Date:		*4/5/2002*	*10/13/2004*	*10/15/2004*	*10/24/2005*	*4/5/2002*	*10/13/2004*	*10/15/2004*	*10/13/2004*	*10/15/2004*
					Not Validated					
Parameters	***Units***									
Di-n-butylphthalate	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
Di-n-octyl phthalate	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
Fluoranthene	mg/L	0.01 U	0.04 U	0.01 UJ	0.0021 J	0.01 U	0.04 U	0.01 U	-	0.01 U
Fluorene	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
Hexachlorobenzene	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
Hexachlorobutadiene	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
Hexachlorocyclopentadiene	mg/L	0.05 U	0.2 U	0.05 UJ	0.05 U	0.05 U	0.2 U	0.05 U	-	0.05 U
Hexachloroethane	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
Indeno(1,2,3-cd)pyrene	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
Isophorone	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
Naphthalene	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
Nitrobenzene	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
N-Nitrosodi-n-propylamine	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
N-Nitrosodiphenylamine	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
Pentachlorophenol	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
Phenanthrene	mg/L	0.01 U	0.04 U	0.01 UJ	0.0014 J	0.01 U	0.04 U	0.01 U	-	0.01 U
Phenol	mg/L	0.01 U	0.04 U	0.01 UJ	0.01 U	0.01 U	0.04 U	0.01 U	-	0.01 U
Pyrene	mg/L	0.01 U	0.04 U	0.01 UJ	0.0015 J	0.01 U	0.04 U	0.01 U	-	0.01 U
Metals										
Antimony	mg/L	0.06 U	0.0020	0.0020 U	0.06 U	0.06 U	0.0020 U	0.0020 U	0.019	0.0020 U
Arsenic	mg/L	0.01 U	0.010 U	0.010 U	0.0027 B	0.01 U	0.010 U	0.010 U	0.098	0.010 U
Barium	mg/L	0.024 J	0.095 J	0.042 J	0.0695 B	0.024 J	0.049 J	0.052 J	1.3	0.059 J
Beryllium	mg/L	0.005 U	0.0010 U	0.0010 U	0.005 U	0.005 U	0.0010 U	0.0010 U	0.0051	0.0010 U
Cadmium	mg/L	0.0050 U	0.0018 J	0.0012 J	0.0018 B	0.0050 U	0.0011 J	0.0050 U	0.56	0.0050 U
Chromium Total	mg/L	0.010 U	0.010	0.010 U	0.0202	0.01 U	0.0030 J	0.010 U	3.6	0.010 U
Cobalt	mg/L	0.050 U	0.0033 J	0.050 U	0.0099 B	0.050 U	0.050 U	0.050 U	0.18	0.050 U
Copper	mg/L	0.013 J	0.12	0.034	0.0606	0.011 J	0.037	0.025 U	12.5	0.015 J
Cyanide (total)	mg/L	0.0017 J	0.0040 J	0.010 U	-	0.0031 J	0.010 U	0.010 U	0.010 U	0.010 U
Lead	mg/L	0.0045 U	0.057	0.0049	0.0403 J	0.0032 U	0.014	0.0030 U	5.4	0.0048
Manganese	mg/L	0.015	0.12	0.31	0.279 J	0.015 U	0.034	0.015	7.3	0.046
Mercury	mg/L	0.0002 U	0.00053	0.00020 U	0.00031	0.0002 U	0.00015 J	0.00020 U	0.095	0.00020 U
Nickel	mg/L	0.0045 J	0.0045 J	0.040 U	0.0055 B	0.04 U	0.040 U	0.040 U	0.47	0.040 U
Selenium	mg/L	0.005 U	0.0050 U	0.0050 U	0.005 U	0.005 U	0.0050 U	0.0050 U	0.0077	0.0050 U
Silver	mg/L	0.01 U	0.010 U	0.010 U	0.01 U	0.01 U	0.010 U	0.010 U	0.55	0.010 U
Thallium	mg/L	0.010 U	0.0010 U	0.0010 U	0.000056 B J	0.010 U	0.0010 U	0.0010 U	0.0015	0.0010 U
Vanadium	mg/L	0.05 U	0.0030 J	0.050 U	0.0066 B	0.05 U	0.00088 J	0.050 U	0.15	0.050 U
Zinc	mg/L	0.11	0.30	0.071	0.452	0.10	0.14	0.044	32.2	0.079
PCBs										
Aroclor-1016 (PCB-1016)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.02 U	0.0002 U
Aroclor-1221 (PCB-1221)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.02 U	0.0002 U
Aroclor-1232 (PCB-1232)	mg/L	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.04 U	0.0004 U
Aroclor-1242 (PCB-1242)	mg/L	0.0003	0.0002 U	0.0002 U	0.0002 U	0.00033	0.0002 U	0.0002 U	0.02 U	0.0002 U
Aroclor-1248 (PCB-1248)	mg/L	0.0002 U	0.0017	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.02 U	0.0002 U
Aroclor-1254 (PCB-1254)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.00018 J	0.0002 U	0.0002 U	0.0002 U	0.3	0.0002 U
Aroclor-1260 (PCB-1260)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.02 U	0.0002 U

TABLE 1b

ANALYTICAL RESULTS SUMMARY
STORM SEWER WATER
HARRISON DAYTON

Sample Location:		*MH-9*	*MH-9*	*MH-9*	*MH-10*	*MH-11*	*MH-11*	*MH-11*	*MH-12*	*MH-12*
Sample ID:		*W-040502-SLE-003*	*WSS-101304-NZ-012*	*WSS-101504-NZ-012*	*WSS-102405-JC-0001*	*W-040502-SLE-004*	*WSS-101304-NZ-011*	*WSS-101504-NZ-011*	*WSS-101304-NZ-010*	*WSS-101504-NZ-010*
Sample Date:		*4/5/2002*	*10/13/2004*	*10/15/2004*	*10/24/2005*	*4/5/2002*	*10/13/2004*	*10/15/2004*	*10/13/2004*	*10/15/2004*
					Not Validated					
Parameters	*Units*									

Notes:
U - Not present at or above the associated value.
J - Estimated concentration.
UJ - Estimated reporting limit.
R - Rejected.

TABLE 1b

ANALYTICAL RESULTS SUMMARY
STORM SEWER WATER
HARRISON DAYTON

Sample Location:		*MH-13*	*MH-13*	*MH-14*	*MH-14*	*MH-18*	*MH-18*	*MH-18*	*MH-19*	*MH-19*	*MH-25*
Sample ID:		*WSS-102405-JC-0002*	*WSS-102405-JC-0003*	*W-040502-SLE-005*	*WSS-101304-NZ-007*	*W-040502-SLE-006*	*WSS-101304-NZ-005*	*WSS-101304-NZ-006*	*W-040802-SLE-007*	*WSS-101304-NZ-004*	*W-040802-SLE-008*
Sample Date:		*10/24/2005*	*10/24/2005*	*4/5/2002*	*10/13/2004*	*4/5/2002*	*10/13/2004*	*10/13/2004*	*4/8/2002*	*10/13/2004*	*4/8/2002*
			Duplicate					*Duplicate*			
		Not Validated	*Not Validated*								
Parameters	*Units*										
Volatile Organic Compounds											
1,1,1-Trichloroethane	mg/L	0.001 U	0.001 U	0.0014 U	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U	0.001 U	0.0014 U	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U	0.001 U	0.0014 U	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	0.001 U	0.001 U	0.0014 U	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethene	mg/L	0.001 U	0.001 U	0.0014 U	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.00024 J B	0.001 U	0.0014 UJ	0.0067 U	0.001 UJ	0.008 U	0.0067 U	0.001 UJ	0.001 U	0.001 UJ
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.001 U	0.001 U	0.0029 U	0.013 UJ	0.002 U	0.016 UJ	0.013 UJ	0.002 U	0.002 UJ	0.002 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.001 U	0.001 U	0.0014 U	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U
1,2-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.0014 U	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U
1,2-Dichloroethane	mg/L	0.001 U	0.001 U	0.0014 U	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U
1,2-Dichloropropane	mg/L	0.001 U	0.001 U	0.0014 U	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U
1,3-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.0014 U	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U
1,4-Dichlorobenzene	mg/L	0.001 U	0.001 U	0.0014 U	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.0011 J	0.0012 J	0.014 U	0.067 UJ	0.01 U	0.08 UJ	0.067 UJ	0.00053 J	0.00061 J	0.01 U
2-Hexanone	mg/L	0.01 U	0.01 U	0.014 U	0.067 U	0.01 U	0.08 U	0.067 U	0.01 U	0.01 U	0.01 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.01 U	0.01 U	0.014 U	0.067 UJ	0.01 U	0.08 UJ	0.067 UJ	0.01 U	0.01 UJ	0.01 U
Acetone	mg/L	0.0064 J B	0.007 J B	0.019	0.067 UJ	0.017 U	0.08 UJ	0.067 UJ	0.01 U	0.0026 J	0.01 U
Benzene	mg/L	0.001 U	0.001 U	0.0014 U	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U
Bromodichloromethane	mg/L	0.001 U	0.001 U	0.0014 U	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.0023
Bromoform	mg/L	0.001 U	0.001 U	0.0014 U	0.0067 UJ	0.001 U	0.008 UJ	0.0067 UJ	0.001 U	0.001 UJ	0.0014
Bromomethane (Methyl Bromide)	mg/L	0.001 U	0.001 U	0.0014 U	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U
Carbon disulfide	mg/L	0.001 U	0.001 U	0.0014 U	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U
Carbon tetrachloride	mg/L	0.001 U	0.001 U	0.0014 U	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U
Chlorobenzene	mg/L	0.001 U	0.001 U	0.0014 U	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	0.001 U	0.001 U	0.0014 U	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	0.001 U	0.001 U	0.0014 U	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.003
Chloromethane (Methyl Chloride)	mg/L	0.00022 J	0.00032 J	0.0014 U	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	0.00087 J	0.00081 J	0.042	0.19	0.00061	0.23	0.23	0.0005 U	0.00048 J	0.00078
cis-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.0014 U	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U
Cyclohexane	mg/L	0.001 U	0.001 U	0.0014 U	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U
Dibromochloromethane	mg/L	0.001 U	0.001 U	0.0014 U	0.0067 UJ	0.001 U	0.008 UJ	0.0067 UJ	0.001 U	0.001 UJ	0.0028
Dichlorodifluoromethane (CFC-12)	mg/L	0.001 U	0.001 U	0.0014 U	0.0067 UJ	0.001 U	0.008 UJ	0.0067 UJ	0.001 U	0.001 UJ	0.001 U
Ethylbenzene	mg/L	0.001 U	0.001 U	0.0014 U	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U
Isopropylbenzene	mg/L	0.001 U	0.001 U	0.0014 U	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U
Methyl acetate	mg/L	0.01 U	0.01 U	0.014 U	0.067 U	0.01 U	0.08 U	0.067 U	0.01 U	0.01 U	0.01 U
Methyl cyclohexane	mg/L	0.001 U	0.001 U	0.0014 U	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U
Methyl Tert Butyl Ether	mg/L	0.005 U	0.005 U	0.0072 U	0.033 U	0.005 U	0.04 U	0.033 U	0.005 U	0.005 U	0.005 U
Methylene chloride	mg/L	0.005 U	0.005 U	0.0014 U	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U
Styrene	mg/L	0.001 U	0.001 U	0.0014 U	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	0.00037 J	0.00027 J	0.012	0.059	0.0012	0.064	0.062	0.00034 J	0.00024 J	0.0024
Toluene	mg/L	0.001 U	0.001 U	0.0014 U	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	0.001 U	0.001 U	0.00072 U	0.0033 U	0.0005 U	0.004 U	0.0033 U	0.0005 U	0.0005 U	0.0005 U
trans-1,3-Dichloropropene	mg/L	0.001 U	0.001 U	0.0014 U	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U
Trichloroethene	mg/L	0.00036 J	0.00037 J	0.007	0.032	0.00029 J	0.039	0.038	0.001 U	0.001 U	0.00047 J
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U	0.001 U	0.0014 U	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U	0.001 U	0.0014 U	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U
Vinyl chloride	mg/L	0.001 U	0.001 U	0.00094 J	0.014	0.001 U	0.016	0.016	0.001 U	0.001 U	0.001 U
Xylene (total)	mg/L	0.002 U	0.002 U	0.0014 U	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U

TABLE 1b

ANALYTICAL RESULTS SUMMARY
STORM SEWER WATER
HARRISON DAYTON

Sample Location:		*MH-13*	*MH-13*	*MH-14*	*MH-14*	*MH-18*	*MH-18*	*MH-18*	*MH-19*	*MH-19*	*MH-25*
Sample ID:		*WSS-102405-JC-0002*	*WSS-102405-JC-0003*	*W-040502-SLE-005*	*WSS-101304-NZ-007*	*W-040502-SLE-006*	*WSS-101304-NZ-005*	*WSS-101304-NZ-006*	*W-040802-SLE-007*	*WSS-101304-NZ-004*	*W-040802-SLE-008*
Sample Date:		*10/24/2005*	*10/24/2005*	*4/5/2002*	*10/13/2004*	*4/5/2002*	*10/13/2004*	*10/13/2004*	*4/8/2002*	*10/13/2004*	*4/8/2002*
			Duplicate					*Duplicate*			
		Not Validated	*Not Validated*								
Parameters	*Units*										
Semi-Volatile Organic Compounds											
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4,5-Trichlorophenol	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4,6-Trichlorophenol	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4-Dichlorophenol	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4-Dimethylphenol	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,4-Dinitrophenol	mg/L	0.05 U	0.05 U	0.05 UJ	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
2,4-Dinitrotoluene	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2,6-Dinitrotoluene	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2-Chloronaphthalene	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2-Chlorophenol	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2-Methylnaphthalene	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2-Methylphenol	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
2-Nitroaniline	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
2-Nitrophenol	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
3,3'-Dichlorobenzidine	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
3-Nitroaniline	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
4,6-Dinitro-2-methylphenol	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
4-Bromophenyl phenyl ether	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Chloro-3-methylphenol	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Chloroaniline	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Chlorophenyl phenyl ether	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Methylphenol	mg/L	0.0005 J #	0.00043 J #	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Nitroaniline	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
4-Nitrophenol	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Acenaphthene	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Acenaphthylene	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Acetophenone	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Anthracene	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Atrazine	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzaldehyde	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)anthracene	mg/L	0.0016 J	0.00094 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)pyrene	mg/L	0.0015 J	0.00084 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(b)fluoranthene	mg/L	0.003 J	0.0017 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(g,h,i)perylene	mg/L	0.0013 J	0.00078 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(k)fluoranthene	mg/L	0.0012 J	0.00076 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Biphenyl	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
bis(2-Chloroethoxy)methane	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
bis(2-Chloroethyl)ether	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
bis(2-Ethylhexyl)phthalate	mg/L	0.0036 J	0.002 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Butyl benzylphthalate	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Caprolactam	mg/L	0.0027 J	0.0027 J	0.01 U	0.01 U	0.01 U	0.0042 J	0.01 U	0.01 U	0.0021 J	0.01 U
Carbazole	mg/L	0.0013 J	0.0012 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Chrysene	mg/L	0.0027 J	0.0017 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Dibenz(a,h)anthracene	mg/L	0.00043 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Dibenzofuran	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Diethyl phthalate	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Dimethyl phthalate	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U

TABLE 1b

ANALYTICAL RESULTS SUMMARY
STORM SEWER WATER
HARRISON DAYTON

Sample Location:		*MH-13*	*MH-13*	*MH-14*	*MH-14*	*MH-18*	*MH-18*	*MH-18*	*MH-19*	*MH-19*	*MH-25*
Sample ID:		*WSS-102405-JC-0002*	*WSS-102405-JC-0003*	*W-040502-SLE-005*	*WSS-101304-NZ-007*	*W-040502-SLE-006*	*WSS-101304-NZ-005*	*WSS-101304-NZ-006*	*W-040802-SLE-007*	*WSS-101304-NZ-004*	*W-040802-SLE-008*
Sample Date:		*10/24/2005*	*10/24/2005*	*4/5/2002*	*10/13/2004*	*4/5/2002*	*10/13/2004*	*10/13/2004*	*4/8/2002*	*10/13/2004*	*4/8/2002*
			Duplicate					*Duplicate*			
		Not Validated	*Not Validated*								
Parameters	***Units***										
Di-n-butylphthalate	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Di-n-octyl phthalate	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Fluoranthene	mg/L	0.0061 J	0.004 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Fluorene	mg/L	0.00043 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Hexachlorobenzene	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Hexachlorobutadiene	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Hexachlorocyclopentadiene	mg/L	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Hexachloroethane	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Indeno(1,2,3-cd)pyrene	mg/L	0.0012 J	0.00072 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Isophorone	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Naphthalene	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Nitrobenzene	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
N-Nitrosodi-n-propylamine	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
N-Nitrosodiphenylamine	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Pentachlorophenol	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Phenanthrene	mg/L	0.004 J	0.0031 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Phenol	mg/L	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Pyrene	mg/L	0.004 J	0.0026 J	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Metals											
Antimony	mg/L	0.0042 B	0.06 U	0.06 U	0.0020 U	0.06 U	0.0022	0.0024	0.06 U	0.0020	0.06 U
Arsenic	mg/L	0.005 B	0.0037 B	0.01 U	0.010 U	0.01 U	0.010 U	0.010 U	0.01 U	0.010 U	0.01 U
Barium	mg/L	0.189 B	0.149 B	0.027 J	0.067 J	0.030 J	0.087 J	0.082 J	0.029 J	0.059 J	0.062 J
Beryllium	mg/L	0.005 U	0.005 U	0.005 U	0.0010 U	0.005 U	0.0010 U	0.0010 U	0.005 U	0.0010 U	0.005 U
Cadmium	mg/L	0.0054	0.0056	0.0050 U	0.0018 J	0.0050 U	0.0021 J	0.0020 J	0.0050 U	0.0012 J	0.0050 U
Chromium Total	mg/L	0.0322	0.0315	0.0018 J	0.0019 J	0.010 U	0.0041 J	0.0033 J	0.0030 J	0.0033 J	0.01 U
Cobalt	mg/L	0.0083 B	0.0066 B	0.050 U	0.050 U	0.0017 J	0.050 U	0.050 U	0.05 U	0.050 U	0.05 U
Copper	mg/L	0.174	0.157	0.025 U	0.047	0.022 J	0.081	0.078	0.014 J	0.061	0.025 U
Cyanide (total)	mg/L	-	-	0.0017 J	0.010 U	0.01 U	0.010 U	0.010 U	0.01 U	0.010 U	0.0022 J
Lead	mg/L	0.14 J	0.107 J	0.0044 U	0.013	0.0087	0.023	0.020	0.0060	0.018	0.003 U
Manganese	mg/L	0.276 J	0.173 J	0.013 J	0.067	0.052	0.13	0.15	0.015	0.023	0.015 U
Mercury	mg/L	0.0015	0.0021	0.0002 U	0.000079 J	0.00020 U	0.0011	0.0015	0.0002 U	0.00067	0.0002 U
Nickel	mg/L	0.0113 B	0.0111 B	0.04 U	0.0030 J	0.04 U	0.0046 J	0.0038 J	0.04 U	0.040 U	0.04 U
Selenium	mg/L	0.005 U	0.005 U	0.005 U	0.0050 U	0.005 U	0.0050 U	0.0050 U	0.0051	0.0050 U	0.0061
Silver	mg/L	0.01 U	0.01 U	0.01 U	0.010 U	0.01 U	0.010 U	0.010 U	0.01 U	0.010 U	0.01 U
Thallium	mg/L	0.00012 B J	0.000066 B J	0.010 U	0.0010 U	0.010 U	0.0010 U	0.0010 U	0.01 U	0.0010 U	0.01 U
Vanadium	mg/L	0.0112 B	0.0093 B	0.00094 J	0.00083 J	0.05 U	0.0014 J	0.0012 J	0.0016 J	0.00097 J	0.05 U
Zinc	mg/L	1.17	0.993	0.11	0.22	0.11	0.23	0.22	0.066	0.15	0.02 U
PCBs											
Aroclor-1016 (PCB-1016)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1221 (PCB-1221)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1232 (PCB-1232)	mg/L	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U	0.0004 U
Aroclor-1242 (PCB-1242)	mg/L	0.0002 U	0.0002 U	0.0003	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1248 (PCB-1248)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.00021	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1254 (PCB-1254)	mg/L	0.0027	0.002	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.00011 J	0.0011	0.0002 U
Aroclor-1260 (PCB-1260)	mg/L	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U

TABLE 1b

ANALYTICAL RESULTS SUMMARY
STORM SEWER WATER
HARRISON DAYTON

Sample Location:		*MH-13*	*MH-13*	*MH-14*	*MH-14*	*MH-18*	*MH-18*	*MH-18*	*MH-19*	*MH-19*	*MH-25*
Sample ID:		*WSS-102405-JC-0002*	*WSS-102405-JC-0003*	*W-040502-SLE-005*	*WSS-101304-NZ-007*	*W-040502-SLE-006*	*WSS-101304-NZ-005*	*WSS-101304-NZ-006*	*W-040802-SLE-007*	*WSS-101304-NZ-004*	*W-040802-SLE-008*
Sample Date:		*10/24/2005*	*10/24/2005*	*4/5/2002*	*10/13/2004*	*4/5/2002*	*10/13/2004*	*10/13/2004*	*4/8/2002*	*10/13/2004*	*4/8/2002*
			Duplicate					*Duplicate*			
		Not Validated	*Not Validated*								
Parameters	*Units*										

Notes:
U - Not present at or above the associated value.
J - Estimated concentration.
UJ - Estimated reporting limit.
R - Rejected.

TABLE 1b

ANALYTICAL RESULTS SUMMARY
STORM SEWER WATER
HARRISON DAYTON

Sample Location:	***MH-25***
Sample ID:	***WSS-101304-NZ-003***
Sample Date:	***10/13/2004***

Parameters	***Units***	
Volatile Organic Compounds		
1,1,1-Trichloroethane	mg/L	0.001 U
1,1,2,2-Tetrachloroethane	mg/L	0.001 U
1,1,2-Trichloroethane	mg/L	0.001 U
1,1-Dichloroethane	mg/L	0.001 U
1,1-Dichloroethene	mg/L	0.001 U
1,2,4-Trichlorobenzene	mg/L	0.001 U
1,2-Dibromo-3-chloropropane (DBCP)	mg/L	0.002 U
1,2-Dibromoethane (Ethylene Dibromide)	mg/L	0.001 U
1,2-Dichlorobenzene	mg/L	0.001 U
1,2-Dichloroethane	mg/L	0.001 U
1,2-Dichloropropane	mg/L	0.001 U
1,3-Dichlorobenzene	mg/L	0.001 U
1,4-Dichlorobenzene	mg/L	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	0.00065 J
2-Hexanone	mg/L	0.01 UJ
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	0.01 U
Acetone	mg/L	0.0031 J
Benzene	mg/L	0.001 U
Bromodichloromethane	mg/L	0.001 U
Bromoform	mg/L	0.001 U
Bromomethane (Methyl Bromide)	mg/L	0.001 UJ
Carbon disulfide	mg/L	0.001 U
Carbon tetrachloride	mg/L	0.001 U
Chlorobenzene	mg/L	0.001 U
Chloroethane	mg/L	0.001 UJ
Chloroform (Trichloromethane)	mg/L	0.001 U
Chloromethane (Methyl Chloride)	mg/L	0.001 U
cis-1,2-Dichloroethene	mg/L	0.0018
cis-1,3-Dichloropropene	mg/L	0.001 U
Cyclohexane	mg/L	0.001 U
Dibromochloromethane	mg/L	0.001 U
Dichlorodifluoromethane (CFC-12)	mg/L	0.001 U
Ethylbenzene	mg/L	0.001 U
Isopropylbenzene	mg/L	0.001 U
Methyl acetate	mg/L	0.01 U
Methyl cyclohexane	mg/L	0.001 U
Methyl Tert Butyl Ether	mg/L	0.005 U
Methylene chloride	mg/L	0.001 U
Styrene	mg/L	0.001 U
Tetrachloroethene	mg/L	0.00034 J
Toluene	mg/L	0.001 U
trans-1,2-Dichloroethene	mg/L	0.0005 U
trans-1,3-Dichloropropene	mg/L	0.001 U
Trichloroethene	mg/L	0.001 U
Trichlorofluoromethane (CFC-11)	mg/L	0.001 U
Trifluorotrichloroethane (Freon 113)	mg/L	0.001 U
Vinyl chloride	mg/L	0.00024 J
Xylene (total)	mg/L	0.001 U

TABLE 1b

ANALYTICAL RESULTS SUMMARY
STORM SEWER WATER
HARRISON DAYTON

Sample Location:	***MH-25***
Sample ID:	***WSS-101304-NZ-003***
Sample Date:	***10/13/2004***

Parameters	***Units***	
Semi-Volatile Organic Compounds		
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	mg/L	0.01 U
2,4,5-Trichlorophenol	mg/L	0.01 U
2,4,6-Trichlorophenol	mg/L	0.01 U
2,4-Dichlorophenol	mg/L	0.01 U
2,4-Dimethylphenol	mg/L	0.01 U
2,4-Dinitrophenol	mg/L	0.05 U
2,4-Dinitrotoluene	mg/L	0.01 U
2,6-Dinitrotoluene	mg/L	0.01 U
2-Chloronaphthalene	mg/L	0.01 U
2-Chlorophenol	mg/L	0.01 U
2-Methylnaphthalene	mg/L	0.01 U
2-Methylphenol	mg/L	0.01 U
2-Nitroaniline	mg/L	0.05 U
2-Nitrophenol	mg/L	0.01 U
3,3'-Dichlorobenzidine	mg/L	0.05 U
3-Nitroaniline	mg/L	0.05 U
4,6-Dinitro-2-methylphenol	mg/L	0.05 U
4-Bromophenyl phenyl ether	mg/L	0.01 U
4-Chloro-3-methylphenol	mg/L	0.01 U
4-Chloroaniline	mg/L	0.01 U
4-Chlorophenyl phenyl ether	mg/L	0.01 U
4-Methylphenol	mg/L	0.01 U
4-Nitroaniline	mg/L	0.05 U
4-Nitrophenol	mg/L	0.05 U
Acenaphthene	mg/L	0.01 U
Acenaphthylene	mg/L	0.01 U
Acetophenone	mg/L	0.01 U
Anthracene	mg/L	0.01 U
Atrazine	mg/L	0.01 U
Benzaldehyde	mg/L	0.01 U
Benzo(a)anthracene	mg/L	0.0014 J
Benzo(a)pyrene	mg/L	0.0015 J
Benzo(b)fluoranthene	mg/L	0.0024 J
Benzo(g,h,i)perylene	mg/L	0.0011 J
Benzo(k)fluoranthene	mg/L	0.00079 J
Biphenyl	mg/L	0.01 U
bis(2-Chloroethoxy)methane	mg/L	0.01 U
bis(2-Chloroethyl)ether	mg/L	0.01 U
bis(2-Ethylhexyl)phthalate	mg/L	0.01 U
Butyl benzylphthalate	mg/L	0.01 U
Caprolactam	mg/L	0.01 U
Carbazole	mg/L	0.01 U
Chrysene	mg/L	0.0022 J
Dibenz(a,h)anthracene	mg/L	0.01 U
Dibenzofuran	mg/L	0.01 U
Diethyl phthalate	mg/L	0.01 U
Dimethyl phthalate	mg/L	0.01 U

TABLE 1b

ANALYTICAL RESULTS SUMMARY
STORM SEWER WATER
HARRISON DAYTON

Sample Location:		***MH-25***
Sample ID:		***WSS-101304-NZ-003***
Sample Date:		***10/13/2004***
Parameters	***Units***	
Di-n-butylphthalate	mg/L	0.01 U
Di-n-octyl phthalate	mg/L	0.01 U
Fluoranthene	mg/L	0.0029 J
Fluorene	mg/L	0.01 U
Hexachlorobenzene	mg/L	0.01 U
Hexachlorobutadiene	mg/L	0.01 U
Hexachlorocyclopentadiene	mg/L	0.05 U
Hexachloroethane	mg/L	0.01 U
Indeno(1,2,3-cd)pyrene	mg/L	0.00089 J
Isophorone	mg/L	0.01 U
Naphthalene	mg/L	0.01 U
Nitrobenzene	mg/L	0.01 U
N-Nitrosodi-n-propylamine	mg/L	0.01 U
N-Nitrosodiphenylamine	mg/L	0.01 U
Pentachlorophenol	mg/L	0.01 U
Phenanthrene	mg/L	0.0016 J
Phenol	mg/L	0.01 U
Pyrene	mg/L	0.0022 J
Metals		
Antimony	mg/L	0.0022
Arsenic	mg/L	0.0075 J
Barium	mg/L	0.21
Beryllium	mg/L	0.0010 U
Cadmium	mg/L	0.0077
Chromium Total	mg/L	0.035
Cobalt	mg/L	0.012 J
Copper	mg/L	0.29
Cyanide (total)	mg/L	0.010 U
Lead	mg/L	0.20
Manganese	mg/L	0.91
Mercury	mg/L	0.0059
Nickel	mg/L	0.025 J
Selenium	mg/L	0.0050 U
Silver	mg/L	0.0012 J
Thallium	mg/L	0.00014 J
Vanadium	mg/L	0.016 J
Zinc	mg/L	1.1
PCBs		
Aroclor-1016 (PCB-1016)	mg/L	0.004 U
Aroclor-1221 (PCB-1221)	mg/L	0.004 U
Aroclor-1232 (PCB-1232)	mg/L	0.008 U
Aroclor-1242 (PCB-1242)	mg/L	0.004 U
Aroclor-1248 (PCB-1248)	mg/L	0.004 U
Aroclor-1254 (PCB-1254)	mg/L	0.054
Aroclor-1260 (PCB-1260)	mg/L	0.004 U

TABLE 1b

ANALYTICAL RESULTS SUMMARY
STORM SEWER WATER
HARRISON DAYTON

Sample Location:	***MH-25***
Sample ID:	***WSS-101304-NZ-003***
Sample Date:	***10/13/2004***

Parameters	***Units***

Notes:
U - Not present at or above the associated value.
J - Estimated concentration.
UJ - Estimated reporting limit.
R - Rejected.

SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Haley & Aldrich Inc

Lot #: A4I220230 DELPHI HARRISON THERMAL SYSTEM **Date Reported:** 9/28/04

Project Number: 79032-110

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: SE-092104-TMV-185					
Sample #: 001 Date Sampled: 09/21/04 14:30 Date Received: 09/22/04 Matrix: SOLID					
Trace Inductively Coupled Plasma (ICP) Metals TCLP					Reviewed
Silver	TCLP ND	0.0050	mg/L	SW846 6010B	
Arsenic	**TCLP 0.0039 B**	**0.010**	**mg/L**	**SW846 6010B**	
Barium	**TCLP 1.5 B**	**10.0**	**mg/L**	**SW846 6010B**	
Cadmium	**TCLP 0.10**	**0.0020**	**mg/L**	**SW846 6010B**	
Chromium	**TCLP 0.0024 B**	**0.0050**	**mg/L**	**SW846 6010B**	
Lead	**TCLP 0.37**	**0.0030**	**mg/L**	**SW846 6010B**	
Selenium	TCLP ND	0.0050	mg/L	SW846 6010B	
Mercury in Liquid Waste (Manual Cold-Vapor) TCLP					Reviewed
Mercury	**TCLP 0.016**	**0.010**	**mg/L**	**SW846 7470A**	

B Estimated result. Result is less than RL.

Volatile Organics by GC/MS TCLP					Reviewed
Benzene	ND	0.25	mg/L	SW846 8260B	
Carbon tetrachloride	ND	0.25	mg/L	SW846 8260B	
Chlorobenzene	ND	0.25	mg/L	SW846 8260B	
Chloroform	ND	0.25	mg/L	SW846 8260B	
1,2-Dichloroethane	ND	0.25	mg/L	SW846 8260B	
1,1-Dichloroethylene	ND	0.70	mg/L	SW846 8260B	
Methyl ethyl ketone	ND	0.50	mg/L	SW846 8260B	
Tetrachloroethylene	**5.5**	**0.70**	**mg/L**	**SW846 8260B**	
Trichloroethylene	**1.9**	**0.50**	**mg/L**	**SW846 8260B**	
Vinyl chloride	ND	0.50	mg/L	SW846 8260B	
Client Sample ID: TB-092104-001					
Sample #: 002 Date Sampled: 09/21/04 14:30 Date Received: 09/22/04 Matrix: WATER					
Volatile Organics by GC/MS					Reviewed
Acetone	**12**	**10**	**ug/L**	**SW846 8260B**	
Benzene	**0.24 J**	**1.0**	**ug/L**	**SW846 8260B**	
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B	
Bromoform	ND	1.0	ug/L	SW846 8260B	
Bromomethane	ND	1.0	ug/L	SW846 8260B	

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SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Haley & Aldrich Inc

Lot #: A4I220230 DELPHI HARRISON THERMAL SYSTEM **Date Reported:** 9/28/04

Project Number: 79032-110

Client Sample ID: TB-092104-001

Sample #: 002 Date Sampled: 09/21/04 14:30 Date Received: 09/22/04 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Volatile Organics by GC/MS					Reviewed
2-Butanone	**1.3 J**	**10**	**ug/L**	**SW846 8260B**	
Carbon disulfide	ND	1.0	ug/L	SW846 8260B	
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B	
Chlorobenzene	ND	1.0	ug/L	SW846 8260B	
Chloroethane	ND	1.0	ug/L	SW846 8260B	
Chloroform	ND	1.0	ug/L	SW846 8260B	
Chloromethane	ND	1.0	ug/L	SW846 8260B	
Cyclohexane	ND	1.0	ug/L	SW846 8260B	
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B	
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	SW846 8260B	
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B	
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B	
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B	
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B	
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B	
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B	
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B	
1,1-Dichloroethene	**0.25 J**	**1.0**	**ug/L**	**SW846 8260B**	
cis-1,2-Dichloroethene	ND	0.50	ug/L	SW846 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/L	SW846 8260B	
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B	
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B	
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B	
Ethylbenzene	ND	1.0	ug/L	SW846 8260B	
2-Hexanone	ND	10	ug/L	SW846 8260B	
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B	
Methyl acetate	ND	10	ug/L	SW846 8260B	
Methylene chloride	ND	1.0	ug/L	SW846 8260B	
Methylcyclohexane	ND	1.0	ug/L	SW846 8260B	
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B	
Methyl tert-butyl ether	ND	5.0	ug/L	SW846 8260B	
Styrene	ND	1.0	ug/L	SW846 8260B	
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B	
Tetrachloroethene	**0.80 J**	**1.0**	**ug/L**	**SW846 8260B**	
Toluene	ND	1.0	ug/L	SW846 8260B	
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8260B	

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SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Haley & Aldrich Inc

Lot #: A4I220230 DELPHI HARRISON THERMAL SYSTEM **Date Reported:** 9/28/04

Project Number: 79032-110

Client Sample ID: TB-092104-001

Sample #: 002 Date Sampled: 09/21/04 14:30 Date Received: 09/22/04 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Volatile Organics by GC/MS					Reviewed
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B	
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B	
Trichloroethene	ND	1.0	ug/L	SW846 8260B	
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	SW846 8260B	
Vinyl chloride	ND	1.0	ug/L	SW846 8260B	
Xylenes (total)	ND	1.0	ug/L	SW846 8260B	

J Estimated result. Result is less than RL.

Toxicity Characteristic Leaching Procedure Levels
Delphi Harrison Dayton, Dayton Ohio

Contaminant	CAS No.	Regulatory Level (mg/L)
Arsenic	7440-38-2	5.0
Barium	7440-39-3	100.0
Benzene	71-43-2	0.5
Cadmium	7440-43-9	1.0
Carbon teterachloride	56-23-5	0.5
Chlordane	57-74-9	0.03
Chlorobenzene	108-90-7	100.0
Chloroform	67-66-3	6.0
Chromium	7440-47-3	5.0
o-Cresol	95-48-7	200.0
m-Cresol	108-39-4	200.0
p-Cresol	106-44-5	200.0
Cresol		200.0
2,4-D	94-75-7	10.0
1,4-Dichlorobenzene	106-46-7	7.5
1,2-Dichloroethane	107-06-2	0.5
1,1-Dicholoroethylene	75-35-4	0.7
2,4-Dinitrotoluene	121-14-2	0.13
Endrin	72-20-8	0.02
Heptachlor (and its epoxide)	76-44-8	0.008
Hexachlorobenzene	118-74-1	0.13
Hexachlorobutadiene	87-68-3	0.5
Hexachloroethane	67-72-1	3.0
Lead	7439-97-6	5.0
Lindane	58-89-9	0.4
Mercury	7439-97-6	0.2
Methoxychlor	72-43-5	10.0
Methyl ethyl ketone	78-93-3	200.0
Nitrobenzene	98-95-3	2.0
Pentachlorophenol	87-86-5	100.0
Pyridine	110-86-1	5.0
Selenium	7782-49-2	1.0
Silver	7440-22-4	5.0
Tetrachlorethylene	127-18-4	0.7
Toxaphene	8001-35-2	0.5
Trichloroethylene	79-01-6	0.5
2,4,5 - Trichlorophenol	95-95-4	400.0
2,4,6-Trichlorphenol	88-06-2	2.0
2,4,5-TP (Silvex)	93-72-1	1.0
Vinyl Chloride	75-01-4	0.2

ATTACHMENT B

RESPONSES TO USEPA'S

JULY 12, 2005 COMMENTS ON THE

PROPOSED STORM SEWER ABANDONMENT STRATEGY

DATED JUNE 2005

October 28, 2005 Ref. No. 12638

RESPONSES TO USEPA's JULY 12, 2005 COMMENTS ON THE PROPOSED STORM SEWER ABANDONMENT STRATEGY

SITE WORK PLAN

1. **USEPA Comment**

Before TSCA comments on the proposed cleanup and abandonment of the storm sewer lines, we would like to review the data and results from the storm water investigation.

Response

The results for storm sewer water and sediment samples collected to date were provided to USEPA in the "Stage 3 Data Package and Proposed Stage 4 Sampling Event" (September 3, 2004) and "Storm Sewer Sample Results – Summary and Recommendations" (January 10, 2005). This data is also included in the accompanying Storm Sewer Abandonment Work Plan.

The additional sewer investigation activities proposed in the Storm Sewer Abandonment Work Plan are proposed to be conducted in late October 2005. In order to meet the December 31, 2005 deadline for USEPA's Environmental Indicator Determinations, the sewer cleaning and abandonment needs to be started in November 2005, as identified on Figure 6 of the Storm Sewer Abandonment Work Plan.

2. **USEPA Comment**

We would like GM to do a thorough investigation of where the PCBs in the manholes are coming from. GM needs to investigate the sewer lines connected to MH 37 where sediment was found to contain 1940 mg/kg PCBs. What is the source?

Response

It is suspected that MH37 is actually a former process manhole. The available sewer records do not show any connections to MH37 either to the storm or process sewer system; no storm sewers are located adjacent to this manhole, however, a former process manhole is located adjacent to MH37. In addition, PCBs were identified in process sewers in the area between Webster and Taylor Streets during decommissioning activities. Smoke or dye testing will be used to confirm the manhole connections or lack of connection to the storm sewer system.

3. **USEPA Comment**

Is there a soil sample taken underneath MH 37? Provide us with some information on the integrity of the sewer lines that they are proposing to abandon. The concern is that if there is contaminated soil with PCBs underneath or above the storm sewer, then it may have gotten into the storm sewer systems due to the pipe's integrity and long use.

Response

There has not been a soil sample collected from immediately beneath MH37. Soil samples have been collected from SB57-02, located adjacent to MH37, as shown on Figure B.1 and Table B.1. The highest PCB concentration at SB57-02 is 54.7 mg/kg, from 9.5-11.5 ft bgs, which is much lower than the PCB concentration of 1,940 mg/kg inside the manhole. This indicates that the manhole was contaminated by material passing through the sewer line, not by the surrounding soil. If the integrity of MH37 is observed to be poor following cleaning of this manhole, a sample will be collected from beneath the manhole.

4. **USEPA Comment**

Are the flooded basements connected to this storm sewer system? How are they addressing the water in those basements?

Response

The basements are indirectly connected to the storm sewer system via the basement sumps, BS-1 through BS-4, as shown on Figure B.1. Sediment was not present and/or the bottom of the sump was not accessible, and therefore only water was sampled from the sumps. Three of the six samples collected from these sumps were non-detect for PCBs and the other three samples contained PCBs below the 3ppb discharge limit, as shown in Table B.2. Concrete samples (core and wipe) were collected from the Building 12 basement as shown on Figure B.1. The concrete samples were analyzed for PCBs, and results are presented in Table B.3. Due to the difference in elevation and proximity to the Mad River, the basement in Building 24 is more susceptible to flooding. Based on the information gathered during the RFI, we believe these basements can be abandoned without additional considerations.

5. **USEPA Comment**

For those manholes with false bottom and where sediments are found to contain PCBs, the soil underneath must be sampled for PCBs.

Response

Sediment was removed from the bottomless manholes and a bottom was installed to facilitate cleaning and abandonment of the process sewers with flowable fill as part of

decommissioning activities. The bottomless manholes were process manholes and were investigated during Stage 1 of the RFI by completing borings immediately adjacent to the manholes. SB16-02 was located immediately adjacent to MH27, as shown on Figure B.1, and results are presented in Table B.1. SB3-02, SB4-02, and SB5-02 were completed immediately adjacent to the manholes beside the still room, one of which (MH4) was bottomless, as shown on Figure B.1, and results are presented in Table B.1. Following cleaning, MH37, MH12, and MH16, along with any other manholes where PCB results in sediment are found to exceed 50 mg/kg, will be inspected and a soil sample will be collected from beneath the bottom of the manhole if the manhole is not intact.

6. **USEPA Comment**

The handling of the storm water and water generated for power washing was not addressed in the work plan.

Response

The downstream manhole(s) will be plugged and storm sewers will be cleaned in an upstream to downstream direction. Water from the sewers will be containerized, characterized, and disposed of in accordance with applicable regulations as identified in Tasks 2 and 3 of the Storm Sewer Abandonment Work Plan (see Attachment A).

7. **USEPA Comment**

In order to leave or abandon the manholes and sewer system in place after cleanup without doing any further sampling, they need to have an approval from us under 40 CFR 761.61 (c) risk based approval. This is consistent with GM Pontiac???

Response

These responses now accompany a request for risk-based approval of the Storm Sewer Abandonment Work Plan. A certification statement is attached (see Attachment ∈ D).

8. **USEPA Comment**

Have the field events proposed in the April 11, 2005 submittal been conducted? The field work was necessary to address the API LNAPL Modeling and we would like to look into some alternatives to have the PCBs taken out.

Response

The results of the field work associated with the API LNAPL Modeling have been completed and presented to USEPA in the report titled LNAPL API Investigation Model

Results, dated July 28, 2005. These activities were discussed with USEPA in a meeting on September 27, 2005.

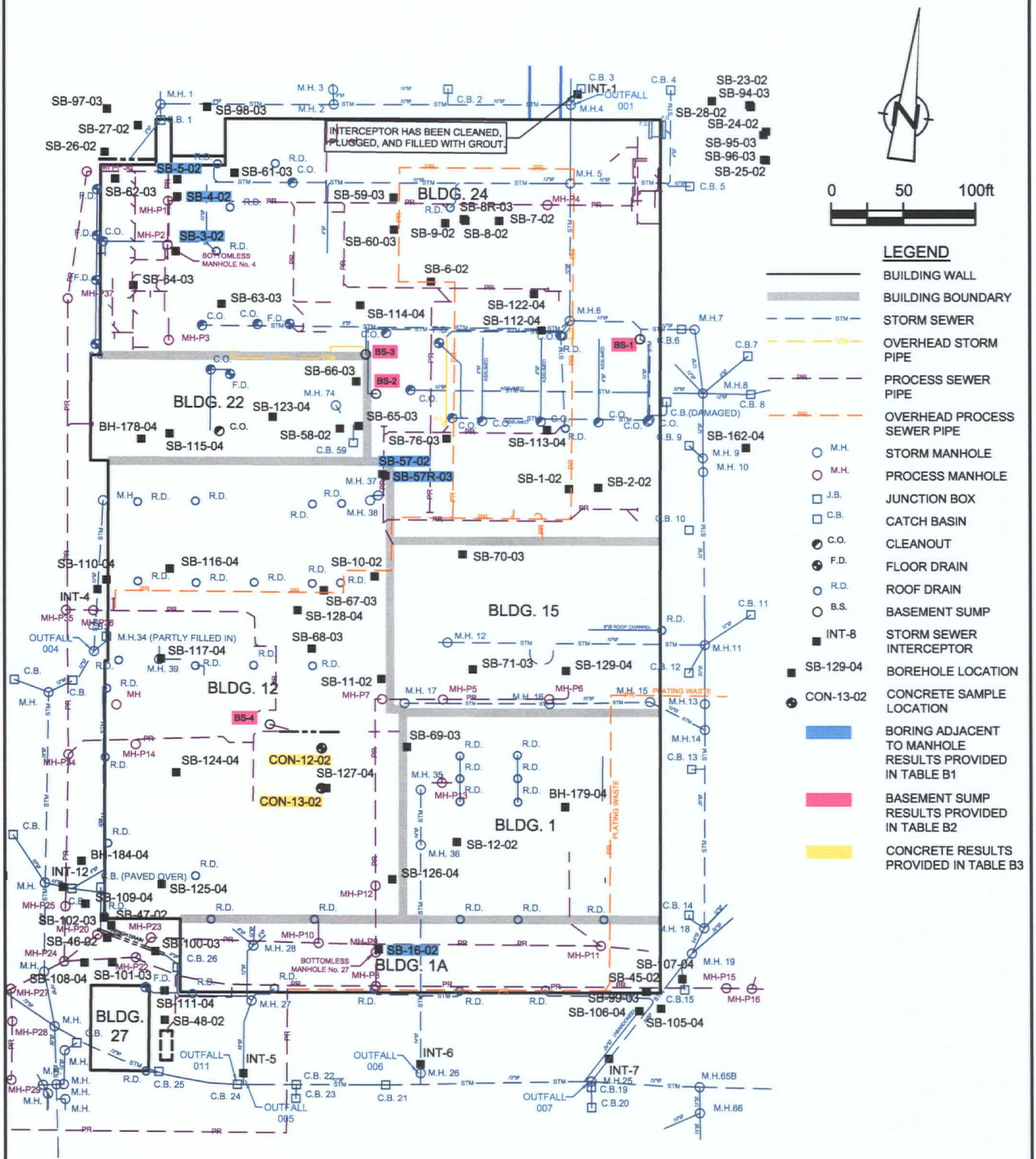


figure B.1

PROCESS, STORM SEWER, AND SAMPLE LOCATIONS
FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY
Dayton, Ohio

12638-04(MEMO038)GN-WA008 JAN 06/2006

TABLE B1

ANALYTICAL RESULTS SUMMARY
SOIL BORINGS ADJACENT TO MANHOLE RESULTS
GM HARRISON DAYTON

Sample Location:		*SB-3-02*	*SB-3-02*	*SB-3-02*	*SB-3-02*	*SB-4-02*	*SB-4-02*	*SB-4-02*	*SB-5-02*	*SB-5-02*	*SB-16-02*	*SB-16-02*
Sample Date:		*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/8/2002*	*4/8/2002*
Sample ID:		*S-040302-JC-005*	*S-040302-JC-006*	*S-040302-JC-007*	*S-040302-JC-008*	*S-040302-JC-009*	*S-040302-JC-010*	*S-040302-JC-011*	*S-040302-JC-012*	*S-040302-JC-013*	*S-040802-JC-047*	*S-040802-JC-048*
Sample Depth:		*(1-3) ft BGS*	*(9-11) ft BGS*	*(11-12) ft BGS*	*(13-15) ft BGS*	*(1-3) ft BGS*	*(9-11) ft BGS*	*(12.5-14.5) ft BGS*	*(1-3) ft BGS*	*(9-11) ft BGS*	*(1-3) ft BGS*	*(10-12) ft BGS*
Parameters	***Units***											
Semi-Volatile Organic Compounds												
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
2,4,5-Trichlorophenol	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
2,4,6-Trichlorophenol	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
2,4-Dichlorophenol	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
2,4-Dimethylphenol	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
2,4-Dinitrophenol	ug/Kg	1700 UJ	1800 UJ	1800 UJ	1900 UJ	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1800 U	1700 U	1800 U
2,4-Dinitrotoluene	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
2,6-Dinitrotoluene	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
2-Chloronaphthalene	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
2-Chlorophenol	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
2-Methylnaphthalene	ug/Kg	350 U	96 J	360 U	1400	340 U	350 U	350 U	360 U	370 U	350 U	360 U
2-Methylphenol	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
2-Nitroaniline	ug/Kg	1700 U	1800 U	1800 U	1900 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1800 U
2-Nitrophenol	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
3,3'-Dichlorobenzidine	ug/Kg	1700 U	1800 U	1800 U	1900 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1800 U
3-Nitroaniline	ug/Kg	1700 U	1800 U	1800 U	1900 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1800 U
4,6-Dinitro-2-methylphenol	ug/Kg	1700 U	1800 U	1800 U	1900 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1800 U
4-Bromophenyl phenyl ether	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
4-Chloro-3-methylphenol	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
4-Chloroaniline	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
4-Chlorophenyl phenyl ether	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
4-Methylphenol	ug/Kg	350 U	370 U	64 J#	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
4-Nitroaniline	ug/Kg	1700 U	1800 U	1800 U	1900 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1800 U
4-Nitrophenol	ug/Kg	1700 UJ	1800 UJ	1800 UJ	1900 UJ	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1800 U	1700 U	1800 U
Acenaphthene	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Acenaphthylene	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Acetophenone	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Anthracene	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Atrazine	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Benzaldehyde	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Benzo(a)anthracene	ug/Kg	350 U	370 U	360 U	89 J	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Benzo(a)pyrene	ug/Kg	350 U	370 U	360 U	80 J	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Benzo(b)fluoranthene	ug/Kg	350 U	370 U	360 U	77 J	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Benzo(g,h,i)perylene	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Benzo(k)fluoranthene	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Biphenyl	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
bis(2-Chloroethoxy)methane	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
bis(2-Chloroethyl)ether	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
bis(2-Ethylhexyl)phthalate	ug/Kg	350 U	360 J	360 U	390 U	340 U	350 U	66 J	360 U	370 U	350 U	360 U
Butyl benzylphthalate	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Caprolactam	ug/Kg	350 UJ	370 UJ	360 UJ	390 UJ	340 UJ	350 UJ	350 UJ	360 UJ	370 U	350 U	360 U
Carbazole	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Chrysene	ug/Kg	350 U	76 J	360 U	88 J	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Dibenz(a,h)anthracene	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Dibenzofuran	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Diethyl phthalate	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Dimethyl phthalate	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U

TABLE B1

ANALYTICAL RESULTS SUMMARY
SOIL BORINGS ADJACENT TO MANHOLE RESULTS
GM HARRISON DAYTON

Sample Location:		*SB-3-02*	*SB-3-02*	*SB-3-02*	*SB-3-02*	*SB-4-02*	*SB-4-02*	*SB-4-02*	*SB-5-02*	*SB-5-02*	*SB-16-02*	*SB-16-02*
Sample Date:		*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/8/2002*	*4/8/2002*
Sample ID:		*S-040302-JC-005*	*S-040302-JC-006*	*S-040302-JC-007*	*S-040302-JC-008*	*S-040302-JC-009*	*S-040302-JC-010*	*S-040302-JC-011*	*S-040302-JC-012*	*S-040302-JC-013*	*S-040802-JC-047*	*S-040802-JC-048*
Sample Depth:		*(1-3) ft BGS*	*(9-11) ft BGS*	*(11-12) ft BGS*	*(13-15) ft BGS*	*(1-3) ft BGS*	*(9-11) ft BGS*	*(12.5-14.5) ft BGS*	*(1-3) ft BGS*	*(9-11) ft BGS*	*(1-3) ft BGS*	*(10-12) ft BGS*
Parameters	***Units***											
Di-n-butylphthalate	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Di-n-octyl phthalate	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Fluoranthene	ug/Kg	350 U	110 J	360 U	210 J	340 U	79 J	350 U	360 U	73 J	350 U	360 U
Fluorene	ug/Kg	350 U	370 U	360 U	83 J	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Hexachlorobenzene	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Hexachlorobutadiene	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Hexachlorocyclopentadiene	ug/Kg	1700 U	1800 U	1800 U	1900 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1800 U
Hexachloroethane	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Indeno(1,2,3-cd)pyrene	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Isophorone	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Naphthalene	ug/Kg	350 U	96 J	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Nitrobenzene	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
N-Nitrosodi-n-propylamine	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
N-Nitrosodiphenylamine	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Pentachlorophenol	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Phenanthrene	ug/Kg	350 U	230 J	360 U	250 J	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Phenol	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Pyrene	ug/Kg	350 U	120 J	360 U	180 J	340 U	71 J	350 U	360 U	72 J	350 U	360 U
Metals												
Antimony	mg/kg	6.4 U	6.7 U	6.6 U	7.1 U	6.3 U	6.4 U	6.3 U	6.5 U	6.7 U	6.3 U	6.6 U
Arsenic	mg/kg	4.4	4.3	5.2	3.7	3.8	3.8	3.7	4.1	6.1	4.4	3.2
Barium	mg/kg	44.0	84.2	87.7	141	24.1	19.1 J	57.8	12.8 J	87.6	26.7	80.1
Beryllium	mg/kg	0.53 U	0.56 U	0.55 U	0.59 U	0.52 U	0.54 U	0.52 U	0.54 U	0.28 J	0.53 UJ	0.55 UJ
Cadmium	mg/kg	0.53 U	0.56 U	0.55 U	0.59 U	0.52 U	0.54 U	0.52 U	0.54 U	0.56 U	0.53 U	0.55 U
Chromium III (Trivalent)	mg/kg	-	-	-	-	-	-	-	-	-	-	-
Chromium Total	mg/kg	5.4	5.9	5.4	5.4	5.0	4.3	7.7	4.5	8.9	4.0	3.3
Chromium VI (Hexavalent)	mg/kg	-	-	-	-	-	-	-	-	-	-	-
Cobalt	mg/kg	2.5 J	3.3 J	3.1 J	2.6 J	2.3 J	2.1 J	2.0 J	2.8 J	4.7 J	3.7 J	1.5 J
Copper	mg/kg	11.0	7.7	9.7	14.2	8.2	7.0	8.1	7.7	11.7	9.0	9.1
Cyanide (total)	mg/kg	0.24 J	0.19 J	0.55 U	0.59 U	0.52 U	0.54 U	0.52 U	0.54 U	0.56 U	0.53 U	0.55 U
Lead	mg/kg	12.2	7.5	6.4	13.9	44.3	17.0	9.9	4.0	15.3	4.8	2.4
Manganese	mg/kg	239	316	219	281	180	194	354	181	389	224	369
Mercury	mg/kg	0.11 U	0.11 U	0.11 U	0.12 U	0.41	0.14	0.1 U	0.11 U	0.38	0.0093 J	0.11 U
Nickel	mg/kg	6.5	8.5	7.9	6.0	6.3	4.9	5.6	7.0	10.5	6.1	3.7 J
Selenium	mg/kg	0.53 U	0.56 U	0.55 U	0.59 U	0.52 U	0.54 U	0.52 U	0.54 U	0.56 U	0.53 U	0.55 U
Silver	mg/kg	1.1 U	1.1 U	1.1 U	1.2 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
Thallium	mg/kg	1.1 U	1.1 U	1.1 U	1.2 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
Vanadium	mg/kg	6.9	8.7	8.6	8.4	7.1	7.0	7.0	7.9	15.1	6.5	5.2 J
Zinc	mg/kg	28.8	34.9	29.8	30.1	34.3	28.5	20.3	23.8	52.6	28.7	12.5
PCBs												
Aroclor-1016 (PCB-1016)	ug/Kg	1800 U	180 U	36 U	39 U	34 U	35 U	35 U	36 U	37 U	35 U	36 U
Aroclor-1221 (PCB-1221)	ug/Kg	1800 U	180 U	36 U	39 U	34 U	35 U	35 U	36 U	37 U	35 U	36 U
Aroclor-1232 (PCB-1232)	ug/Kg	1800 U	180 U	36 U	39 U	34 U	35 U	35 U	36 U	37 U	35 U	36 U
Aroclor-1242 (PCB-1242)	ug/Kg	1800 U	180 U	36 U	39 U	34 U	35 U	35 U	36 U	37 U	35 U	36 U
Aroclor-1248 (PCB-1248)	ug/Kg	1800 U	180 U	36 U	39 U	34 U	35 U	35 U	36 U	37 U	35 U	36 U
Aroclor-1254 (PCB-1254)	ug/Kg	14000	810	28 J	150	34 U	35 U	66	36 U	37 U	35 U	36 U

TABLE B1

ANALYTICAL RESULTS SUMMARY
SOIL BORINGS ADJACENT TO MANHOLE RESULTS
GM HARRISON DAYTON

Sample Location:		*SB-3-02*	*SB-3-02*	*SB-3-02*	*SB-3-02*	*SB-4-02*	*SB-4-02*	*SB-4-02*	*SB-5-02*	*SB-5-02*	*SB-16-02*	*SB-16-02*
Sample Date:		*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/8/2002*	*4/8/2002*
Sample ID:		*S-040302-JC-005*	*S-040302-JC-006*	*S-040302-JC-007*	*S-040302-JC-008*	*S-040302-JC-009*	*S-040302-JC-010*	*S-040302-JC-011*	*S-040302-JC-012*	*S-040302-JC-013*	*S-040802-JC-047*	*S-040802-JC-048*
Sample Depth:		*(1-3) ft BGS*	*(9-11) ft BGS*	*(11-12) ft BGS*	*(13-15) ft BGS*	*(1-3) ft BGS*	*(9-11) ft BGS*	*(12.5-14.5) ft BGS*	*(1-3) ft BGS*	*(9-11) ft BGS*	*(1-3) ft BGS*	*(10-12) ft BGS*
Parameters	***Units***											
Aroclor-1260 (PCB-1260)	ug/Kg	1800 U	180 U	36 U	39 U	34 U	35 U	35 U	36 U	37 U	12 J	36 U
General Chemistry												
Total Solids	%	93.8	89.3	91.1	85.1	95.9	93.4	95.3	92.0	89.2	95.1	90.5

TABLE B1

ANALYTICAL RESULTS SUMMARY
SOIL BORINGS ADJACENT TO MANHOLE RESULTS
GM HARRISON DAYTON

Sample Location:		*SB-16-02*	*SB-57-02*	*SB-57-02*	*SB-57-02*	*SB-57R-03*	*SB-57R-03*	*SB-57R-03*	*SB-57R-03*	*SB-57R-03*
Sample Date:		*4/8/2002*	*4/17/2002*	*4/17/2002*	*4/17/2002*	*2/19/2003*	*2/19/2003*	*2/19/2003*	*2/19/2003*	*2/19/2003*
Sample ID:		*S-040802-JC-049*	*S-041702-JC-146*	*S-041702-JC-147*	*S-041702-JC-148*	*S-12638-021903-JC-223*	*S-12638-021903-JC-224*	*S-12638-021903-JC-225*	*S-12638-021903-JC-226*	*S-12638-021903-JC-228*
Sample Depth:		*(13-15) ft BGS*	*(1-3) ft BGS*	*(5-7) ft BGS*	*(9.5-11.5) ft BGS*	*(1-3) ft BGS*	*(5-7) ft BGS*	*(9.5-11.5) ft BGS*	*(9.5-11.5) ft BGS Duplicate*	*(13-15) ft BGS*
Parameters	***Units***									
Volatile Organic Compounds										
1,1,1-Trichloroethane	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
1,1,2,2-Tetrachloroethane	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
1,1,2-Trichloroethane	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
1,1-Dichloroethane	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
1,1-Dichloroethene	ug/Kg	5 U	360 U	18 J	320 U	-	-	-	-	220 U
1,2,4-Trichlorobenzene	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	10 UJ	710 U	510 U	630 U	-	-	-	-	440 U
1,2-Dibromoethane (Ethylene Dibromide)	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
1,2-Dichlorobenzene	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
1,2-Dichloroethane	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
1,2-Dichloropropane	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
1,3-Dichlorobenzene	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
1,4-Dichlorobenzene	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
2-Butanone (Methyl Ethyl Ketone)	ug/Kg	20 U	1400 U	1000 U	1300 U	-	-	-	-	890 U
2-Hexanone	ug/Kg	20 U	1400 U	1000 U	1300 U	-	-	-	-	890 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/Kg	20 U	1400 U	1000 U	1300 U	-	-	-	-	890 U
Acetone	ug/Kg	20 UJ	1400 U	1000 U	1300 U	-	-	-	-	890 U
Benzene	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
Bromodichloromethane	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
Bromoform	ug/Kg	5 UJ	360 U	250 U	320 U	-	-	-	-	220 UJ
Bromomethane (Methyl Bromide)	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 UJ
Carbon disulfide	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
Carbon tetrachloride	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 UJ
Chlorobenzene	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
Chloroethane	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
Chloroform (Trichloromethane)	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
Chloromethane (Methyl Chloride)	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
cis-1,2-Dichloroethene	ug/Kg	2.5 U	110 J	7200	160 U	-	-	-	-	110 U
cis-1,3-Dichloropropene	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
Cyclohexane	ug/Kg	10 U	16 J	510 U	630 U	-	-	-	-	440 U
Dibromochloromethane	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
Dichlorodifluoromethane (CFC-12)	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 UJ
Ethylbenzene	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
Isopropylbenzene	ug/Kg	5 U	360 U	13 J	320 U	-	-	-	-	220 U
Methyl acetate	ug/Kg	10 U	710 U	64 J	100 J	-	-	-	-	440 U
Methyl cyclohexane	ug/Kg	10 U	61 J	18 J	630 U	-	-	-	-	440 U
Methyl Tert Butyl Ether	ug/Kg	20 U	1400 U	1000 U	1300 U	-	-	-	-	890 U
Methylene chloride	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
Styrene	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
Tetrachloroethene	ug/Kg	5 U	6700	7200	470	-	-	-	-	440
Toluene	ug/Kg	0.58 J	360 U	250 U	320 U	-	-	-	-	220 U
trans-1,2-Dichloroethene	ug/Kg	2.5 U	180 U	110 J	160 U	-	-	-	-	110 U
trans-1,3-Dichloropropene	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
Trichloroethene	ug/Kg	5 U	3600	8100	180 J	-	-	-	-	210 J
Trichlorofluoromethane (CFC-11)	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 UJ
Trifluorotrichloroethane (Freon 113)	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
Vinyl chloride	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
Xylene (total)	ug/Kg	10 U	64 J	42 J	38 J	-	-	-	-	440 U

TABLE B1

ANALYTICAL RESULTS SUMMARY
SOIL BORINGS ADJACENT TO MANHOLE RESULTS
GM HARRISON DAYTON

Sample Location:		*SB-16-02*	*SB-57-02*	*SB-57-02*	*SB-57-02*	*SB-57R-03*	*SB-57R-03*	*SB-57R-03*	*SB-57R-03*	*SB-57R-03*
Sample Date:		*4/8/2002*	*4/17/2002*	*4/17/2002*	*4/17/2002*	*2/19/2003*	*2/19/2003*	*2/19/2003*	*2/19/2003*	*2/19/2003*
Sample ID:		*S-040802-JC-049*	*S-041702-JC-146*	*S-041702-JC-147*	*S-041702-JC-148*	*S-12638-021903-JC-223*	*S-12638-021903-JC-224*	*S-12638-021903-JC-225*	*S-12638-021903-JC-226*	*S-12638-021903-JC-228*
Sample Depth:		*(13-15) ft BGS*	*(1-3) ft BGS*	*(5-7) ft BGS*	*(9.5-11.5) ft BGS*	*(1-3) ft BGS*	*(5-7) ft BGS*	*(9.5-11.5) ft BGS*	*(9.5-11.5) ft BGS Duplicate*	*(13-15) ft BGS*
Parameters	***Units***									
Semi-Volatile Organic Compounds										
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
2,4,5-Trichlorophenol	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
2,4,6-Trichlorophenol	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
2,4-Dichlorophenol	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
2,4-Dimethylphenol	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
2,4-Dinitrophenol	ug/Kg	1700 U	1800 U	1800 U	7300 U	-	-	-	-	1700 U
2,4-Dinitrotoluene	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
2,6-Dinitrotoluene	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
2-Chloronaphthalene	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
2-Chlorophenol	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
2-Methylnaphthalene	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
2-Methylphenol	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
2-Nitroaniline	ug/Kg	1700 U	1800 U	1800 U	7300 U	-	-	-	-	1700 U
2-Nitrophenol	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
3,3'-Dichlorobenzidine	ug/Kg	1700 U	1800 U	1800 U	7300 U	-	-	-	-	1700 U
3-Nitroaniline	ug/Kg	1700 U	1800 U	1800 U	7300 U	-	-	-	-	1700 U
4,6-Dinitro-2-methylphenol	ug/Kg	1700 U	1800 U	1800 U	7300 U	-	-	-	-	1700 U
4-Bromophenyl phenyl ether	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
4-Chloro-3-methylphenol	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
4-Chloroaniline	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
4-Chlorophenyl phenyl ether	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
4-Methylphenol	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
4-Nitroaniline	ug/Kg	1700 U	1800 U	1800 U	7300 U	-	-	-	-	1700 U
4-Nitrophenol	ug/Kg	1700 U	1800 U	1800 U	7300 U	-	-	-	-	1700 U
Acenaphthene	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Acenaphthylene	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Acetophenone	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Anthracene	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Atrazine	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Benzaldehyde	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Benzo(a)anthracene	ug/Kg	350 U	190 J	380 U	530 J	-	-	-	-	350 U
Benzo(a)pyrene	ug/Kg	350 U	280 J	380 U	570 J	-	-	-	-	350 U
Benzo(b)fluoranthene	ug/Kg	350 U	330 J	380 U	810 J	-	-	-	-	350 U
Benzo(g,h,i)perylene	ug/Kg	350 U	1100	380 U	660 J	-	-	-	-	350 U
Benzo(k)fluoranthene	ug/Kg	350 U	170 J	380 U	270 J	-	-	-	-	350 U
Biphenyl	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
bis(2-Chloroethoxy)methane	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
bis(2-Chloroethyl)ether	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
bis(2-Ethylhexyl)phthalate	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	20 J
Butyl benzylphthalate	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Caprolactam	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Carbazole	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Chrysene	ug/Kg	350 U	210 J	380 U	590 J	-	-	-	-	350 U
Dibenz(a,h)anthracene	ug/Kg	350 U	79 J	380 U	1500 U	-	-	-	-	350 U
Dibenzofuran	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Diethyl phthalate	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Dimethyl phthalate	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U

TABLE B1

ANALYTICAL RESULTS SUMMARY
SOIL BORINGS ADJACENT TO MANHOLE RESULTS
GM HARRISON DAYTON

Sample Location:		*SB-16-02*	*SB-57-02*	*SB-57-02*	*SB-57-02*	*SB-57R-03*	*SB-57R-03*	*SB-57R-03*	*SB-57R-03*	*SB-57R-03*
Sample Date:		*4/8/2002*	*4/17/2002*	*4/17/2002*	*4/17/2002*	*2/19/2003*	*2/19/2003*	*2/19/2003*	*2/19/2003*	*2/19/2003*
Sample ID:		*S-040802-JC-049*	*S-041702-JC-146*	*S-041702-JC-147*	*S-041702-JC-148*	*S-12638-021903-JC-223*	*S-12638-021903-JC-224*	*S-12638-021903-JC-225*	*S-12638-021903-JC-226*	*S-12638-021903-JC-228*
Sample Depth:		*(13-15) ft BGS*	*(1-3) ft BGS*	*(5-7) ft BGS*	*(9.5-11.5) ft BGS*	*(1-3) ft BGS*	*(5-7) ft BGS*	*(9.5-11.5) ft BGS*	*(9.5-11.5) ft BGS Duplicate*	*(13-15) ft BGS*
Parameters	***Units***									
Di-n-butylphthalate	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Di-n-octyl phthalate	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Fluoranthene	ug/Kg	350 U	300 J	380 U	1600	-	-	-	-	350 U
Fluorene	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Hexachlorobenzene	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Hexachlorobutadiene	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Hexachlorocyclopentadiene	ug/Kg	1700 U	1800 U	1800 U	7300 U	-	-	-	-	1700 U
Hexachloroethane	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Indeno(1,2,3-cd)pyrene	ug/Kg	350 U	340 J	380 U	450 J	-	-	-	-	350 U
Isophorone	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Naphthalene	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Nitrobenzene	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
N-Nitrosodi-n-propylamine	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
N-Nitrosodiphenylamine	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Pentachlorophenol	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Phenanthrene	ug/Kg	350 U	120 J	380 U	1600	-	-	-	-	350 U
Phenol	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Pyrene	ug/Kg	350 U	370 J	380 U	1500	-	-	-	-	350 U
Metals										
Antimony	mg/kg	6.4 U	6.9 U	6.8 U	6.9 U	-	-	-	-	6.4 U
Arsenic	mg/kg	3.2	6.2	12.1	4.5	-	-	-	-	3.1
Barium	mg/kg	33.5	108	70.0	124	-	-	-	-	38.9 J
Beryllium	mg/kg	0.53 UJ	0.70	0.74	0.57 U	-	-	-	-	0.54 U
Cadmium	mg/kg	0.53 U	0.49 J	0.36 J	1.2	-	-	-	-	0.65
Chromium III (Trivalent)	mg/kg	-	-	-	-	6.7	27.9	108	42.4	17.8
Chromium Total	mg/kg	3.3	12.1	149	42.3	6.9	28.1	108	43.0	20.2
Chromium VI (Hexavalent)	mg/kg	-	-	-	-	0.23 J	0.27 J	0.32 J	0.61 J	2.4
Cobalt	mg/kg	1.5 J	4.8 J	13.2	2.9 J	-	-	-	-	1.6 J
Copper	mg/kg	3.2	127	29.0	127	-	-	-	-	17.7 J
Cyanide (total)	mg/kg	0.53 U	0.57 U	0.37 J	5.6	-	-	-	-	0.65
Lead	mg/kg	2.3	147	62.8	126	-	-	-	-	4.6
Manganese	mg/kg	311	410	641	304	-	-	-	-	298
Mercury	mg/kg	0.11 U	0.38	0.14	0.24	-	-	-	-	0.11 U
Nickel	mg/kg	4.2	10.2	25.5	11.5	-	-	-	-	4.4
Selenium	mg/kg	0.53 U	0.57 U	0.57 U	0.57 U	-	-	-	-	0.54 U
Silver	mg/kg	1.1 U	1.1 U	1.1 U	1.1 U	-	-	-	-	1.1 U
Thallium	mg/kg	1.1 U	0.76 J	0.73 J	0.65 J	-	-	-	-	1.1 U
Vanadium	mg/kg	5.0 J	14.6	39.9	10.0	-	-	-	-	5.0 J
Zinc	mg/kg	11.1	138	272	339	-	-	-	-	185
PCBs										
Aroclor-1016 (PCB-1016)	ug/Kg	35 U	38 U	38 U	3800 U	-	-	-	-	3500 U
Aroclor-1221 (PCB-1221)	ug/Kg	35 U	38 U	38 U	3800 U	-	-	-	-	3500 U
Aroclor-1232 (PCB-1232)	ug/Kg	35 U	38 U	38 U	3800 U	-	-	-	-	3500 U
Aroclor-1242 (PCB-1242)	ug/Kg	35 U	38 U	38 U	3800 U	-	-	-	-	3500 U
Aroclor-1248 (PCB-1248)	ug/Kg	35 U	38 U	38 U	3800 U	-	-	-	-	3500 U
Aroclor-1254 (PCB-1254)	ug/Kg	33 J	38 U	38 U	53000	-	-	-	-	23000

TABLE B1

ANALYTICAL RESULTS SUMMARY
SOIL BORINGS ADJACENT TO MANHOLE RESULTS
GM HARRISON DAYTON

Sample Location:		*SB-16-02*	*SB-57-02*	*SB-57-02*	*SB-57-02*	*SB-57R-03*	*SB-57R-03*	*SB-57R-03*	*SB-57R-03*	*SB-57R-03*
Sample Date:		*4/8/2002*	*4/17/2002*	*4/17/2002*	*4/17/2002*	*2/19/2003*	*2/19/2003*	*2/19/2003*	*2/19/2003*	*2/19/2003*
Sample ID:		*S-040802-JC-049*	*S-041702-JC-146*	*S-041702-JC-147*	*S-041702-JC-148*	*S-12638-021903-JC-223*	*S-12638-021903-JC-224*	*S-12638-021903-JC-225*	*S-12638-021903-JC-226*	*S-12638-021903-JC-228*
Sample Depth:		*(13-15) ft BGS*	*(1-3) ft BGS*	*(5-7) ft BGS*	*(9.5-11.5) ft BGS*	*(1-3) ft BGS*	*(5-7) ft BGS*	*(9.5-11.5) ft BGS*	*(9.5-11.5) ft BGS Duplicate*	*(13-15) ft BGS*
Parameters	***Units***									
Aroclor-1260 (PCB-1260)	ug/Kg	35 U	19 J	38 U	3800 U	-	-	-	-	3500 U
General Chemistry										
Total Solids	%	94.3	87.2	87.8	87.4	90.8	75.2	88.9	91.7	93.3

TABLE B2

ANALYTICAL RESULTS SUMMARY
BASEMENT SUMP WATER RESULTS
GM HARRISON DAYTON

Sample Location:		*BS-1*	*BS-1*	*BS-1*	*BS-2*	*BS-3*	*BS-3*	*BS-4*
Sample Date:		*4/9/2002*	*4/9/2002*	*10/13/2004*	*10/13/2004*	*4/12/2002*	*10/13/2004*	*4/12/2002*
Sample ID:		*W-040902-SLE-011*	*W-040902-SLE-012 Duplicate*	*WSS-101304-NZ-021*	*WSS-101304-NZ-019*	*W-041202-SLE-022*	*WSS-101304-NZ-020*	*W-041202-SLE-023*
Parameters	***Units***							
Volatile Organic Compounds								
1,1,1-Trichloroethane	ug/L	0.56 J	0.44 J	0.77 J	1.0 U	1 U	1.0 U	1 U
1,1,2,2-Tetrachloroethane	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
1,1,2-Trichloroethane	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
1,1-Dichloroethane	ug/L	0.57 J	0.59 J	0.48 J	0.22 J	1 U	1.0 U	1 U
1,1-Dichloroethene	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
1,2,4-Trichlorobenzene	ug/L	2 UJ	2 UJ	2.0 U	1.0 U	1 U	1.0 U	1 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	4 U	4 U	4.0 UJ	2.0 UJ	2 U	2.0 UJ	2 U
1,2-Dibromoethane (Ethylene Dibromide)	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
1,2-Dichlorobenzene	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
1,2-Dichloroethane	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
1,2-Dichloropropane	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
1,3-Dichlorobenzene	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
1,4-Dichlorobenzene	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
2-Butanone (Methyl Ethyl Ketone)	ug/L	20 U	20 U	20 UJ	10 UJ	10 UJ	10 UJ	10 UJ
2-Hexanone	ug/L	20 U	20 U	20 U	10 U	10 UJ	10 U	10 UJ
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/L	20 U	20 U	20 UJ	10 UJ	10 U	10 UJ	10 U
Acetone	ug/L	20 U	20 U	20 UJ	10 UJ	10 UJ	1.5 J	10 UJ
Benzene	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
Bromodichloromethane	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
Bromoform	ug/L	2 U	2 U	2.0 UJ	1.0 UJ	1 U	1.0 UJ	1 U
Bromomethane (Methyl Bromide)	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
Carbon disulfide	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
Carbon tetrachloride	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
Chlorobenzene	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
Chloroethane	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
Chloroform (Trichloromethane)	ug/L	1.3 J	1.3 J	2.0 U	1.0 U	1 U	1.0 U	1 U
Chloromethane (Methyl Chloride)	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
cis-1,2-Dichloroethene	ug/L	2.2	2.1	3.3	7.4	0.61	0.34 J	0.5 U
cis-1,3-Dichloropropene	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
Cyclohexane	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
Dibromochloromethane	ug/L	2 U	2 U	2.0 UJ	1.0 UJ	1 U	1.0 UJ	1 U
Dichlorodifluoromethane (CFC-12)	ug/L	2 U	2 U	2.0 UJ	1.0 UJ	1 U	1.0 UJ	1 U
Ethylbenzene	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
Isopropylbenzene	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
Methyl acetate	ug/L	20 U	20 U	20 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
Methyl Tert Butyl Ether	ug/L	10 U	10 U	10 U	5.0 U	5 U	5.0 U	5 U
Methylene chloride	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
Styrene	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
Tetrachloroethene	ug/L	58	59	69	4.5	1.9	0.93 J	2.8
Toluene	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
trans-1,2-Dichloroethene	ug/L	0.69 J	0.71 J	1.0 U	0.50 U	0.5 U	0.50 U	0.5 U
trans-1,3-Dichloropropene	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
Trichloroethene	ug/L	16	16	26	1.6	0.65 J	2.5	0.82 J
Trichlorofluoromethane (CFC-11)	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
Trifluorotrichloroethane (Freon 113)	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
Vinyl chloride	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
Xylene (total)	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U

TABLE B2

ANALYTICAL RESULTS SUMMARY
BASEMENT SUMP WATER RESULTS
GM HARRISON DAYTON

Sample Location:		*BS-1*	*BS-1*	*BS-1*	*BS-2*	*BS-3*	*BS-3*	*BS-4*
Sample Date:		*4/9/2002*	*4/9/2002*	*10/13/2004*	*10/13/2004*	*4/12/2002*	*10/13/2004*	*4/12/2002*
Sample ID:		*W-040902-SLE-011*	*W-040902-SLE-012 Duplicate*	*WSS-101304-NZ-021*	*WSS-101304-NZ-019*	*W-041202-SLE-022*	*WSS-101304-NZ-020*	*W-041202-SLE-023*
Parameters	***Units***							
Semi-Volatile Organic Compounds								
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	ug/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	ug/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	ug/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U
3-Nitroaniline	ug/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	ug/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl phenyl ether	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl phenyl ether	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methylphenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	ug/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	ug/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetophenone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Atrazine	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzaldehyde	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Biphenyl	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	10 U	10 U	10 U	7.2 J	10 U	10 U
Butyl benzylphthalate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Caprolactam	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl phthalate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl phthalate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U

TABLE B2

ANALYTICAL RESULTS SUMMARY
BASEMENT SUMP WATER RESULTS
GM HARRISON DAYTON

Sample Location:		*BS-1*	*BS-1*	*BS-1*	*BS-2*	*BS-3*	*BS-3*	*BS-4*
Sample Date:		*4/9/2002*	*4/9/2002*	*10/13/2004*	*10/13/2004*	*4/12/2002*	*10/13/2004*	*4/12/2002*
Sample ID:		*W-040902-SLE-011*	*W-040902-SLE-012 Duplicate*	*WSS-101304-NZ-021*	*WSS-101304-NZ-019*	*W-041202-SLE-022*	*WSS-101304-NZ-020*	*W-041202-SLE-023*
Parameters	***Units***							
Fluoranthene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	ug/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Hexachloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodi-n-propylamine	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Metals								
Antimony	mg/L	0.06 U	0.05 U	0.0020 U	0.0020 U	0.06 U	0.0020 U	0.060 U
Arsenic	mg/L	0.01 U	0.01 U	0.0028 J	0.0028 J	0.01 U	0.010 U	0.01 U
Barium	mg/L	0.10 J	0.10 J	0.11 J	0.069 J	0.081 J	0.038 J	0.025 J
Beryllium	mg/L	0.005 U	0.005 U	0.0010 U	0.0010 U	0.005 U	0.0010 U	0.005 U
Cadmium	mg/L	0.0050 U	0.005 U	0.0021 J	0.0050 U	0.0050 U	0.0018 J	0.0050 U
Chromium Total	mg/L	0.010 U	0.0084 J	0.0051 J	0.010 U	0.01 U	0.010 U	0.010 U
Cobalt	mg/L	0.05 U	0.05 U	0.050 U	0.050 U	0.05 U	0.050 U	0.05 U
Copper	mg/L	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.064
Cyanide (total)	mg/L	0.01 U	0.01 U	0.010 U	0.010 U	0.01 U	0.010 U	0.01 U
Lead	mg/L	0.003 U	0.003 U	0.0030 U	0.0030 U	0.003 U	0.0030 U	0.011
Manganese	mg/L	0.015 U	0.015 U	0.012 J	0.10	0.015	0.12	0.064
Mercury	mg/L	0.0002 U	0.0002 U	0.00020 U	0.00020 U	0.0002 U	0.00020 U	0.0002 U
Nickel	mg/L	0.04 U	0.04 U	0.0026 J	0.040 U	0.04 U	0.040 U	0.04 U
Selenium	mg/L	0.0073 U	0.005 U	0.0050 U	0.0050 U	0.005 U	0.0050 U	0.005 U
Silver	mg/L	0.01 U	0.01 U	0.010 U	0.010 U	0.01 U	0.010 U	0.01 U
Thallium	mg/L	0.0067 J	0.0069 J	0.0010 U	0.0010 U	0.0095 J	0.0010 U	0.0056 J
Vanadium	mg/L	0.050 U	0.05 U	0.050 U	0.050 U	0.05 U	0.050 U	0.05 U
Zinc	mg/L	0.038 J	0.018 J	0.020 U	0.023	0.016 J	0.031	0.082
PCBs								
Aroclor-1016 (PCB-1016)	ug/L	0.2 U	0.2 U	0.20 U	0.20 U	0.2 U	0.20 U	0.2 U
Aroclor-1221 (PCB-1221)	ug/L	0.2 U	0.2 U	0.20 U	0.20 U	0.2 U	0.20 U	0.2 U
Aroclor-1232 (PCB-1232)	ug/L	0.4 U	0.4 U	0.40 U	0.40 U	0.4 U	0.40 U	0.4 U
Aroclor-1242 (PCB-1242)	ug/L	0.2 U	0.2 U	0.20 U	0.20 U	0.2 U	0.20 U	0.2 U
Aroclor-1248 (PCB-1248)	ug/L	0.2 U	0.2 U	0.20 U	0.20 U	0.2 U	0.20 U	0.2 U
Aroclor-1254 (PCB-1254)	ug/L	0.28	0.45	0.20 U	0.20 U	0.2 U	0.20 U	0.2 U
Aroclor-1260 (PCB-1260)	ug/L	0.2 U	0.2 U	0.20 U	0.20 U	0.2 U	0.35	0.2 U

TABLE B3

ANALYTICAL RESULTS SUMMARY
CONCRETE RESULTS
GM HARRISON DAYTON

Sample Location:		*CON-12-02*	*CON-13-02*
Sample Date:		*4/3/2002*	*4/3/2002*
Sample ID:		*CC-040302-SLE-025*	*CC-040302-SLE-027*
Sample Depth:		*(0-3) in*	*(0-3) in*
Parameters	***Units***		
PCBs			
Aroclor-1016 (PCB-1016)	ug/Kg	68 U	340 U
Aroclor-1221 (PCB-1221)	ug/Kg	68 U	340 U
Aroclor-1232 (PCB-1232)	ug/Kg	68 U	340 U
Aroclor-1242 (PCB-1242)	ug/Kg	68 U	340 U
Aroclor-1248 (PCB-1248)	ug/Kg	68 U	340 U
Aroclor-1254 (PCB-1254)	ug/Kg	550	2000
Aroclor-1260 (PCB-1260)	ug/Kg	68 U	340 U
General Chemistry			
Total Solids	%	96.7	96.6

ATTACHMENT C

RESPONSES TO USEPA'S

DECEMBER 9, 2005 COMMENTS ON THE

PROPOSED STORM SEWER ABANDONMENT WORK PLAN (REVISED)

DATED OCTOBER 28, 2005

December 30, 2005 Ref. No. 12638

RESPONSES TO USEPA's DECEMBER 9, 2005 COMMENTS ON THE PROPOSED STORM SEWER ABANDONMENT WORK PLAN (REVISED)

SITE WORK PLAN

1. **USEPA Comment**

The certification required under 40 CFR 761.61(a)(3) was enclosed but without the proper signature. GM should have someone sign the certification and send it back to us.

Response

The signed certification is included as Attachment D.

2. **USEPA Comment**

I am not sure if GM/CRA plans to do the tasks described in the work plan at different times. I understand the investigation and sampling which is Task 1, must be done first. I wonder if Task 2, 3 & 4 will be done one after the other in a particular section of the sewer system.

Response

Task 1 has been completed to the extent possible. Due to a large amount of sediment in MH-37 and MH-38, connectivity testing at these manholes will be conducted as part of cleaning activities. Due to security and access restrictions, MH-29 located upstream of INT-8 will be sampled concurrent with manhole cleaning activities. The Task 1 investigation results are summarized in Section II of the Proposed Storm Sewer Abandonment Work Plan (Revision 2) presented in Attachment A.

Task 2 (Manhole Cleaning, Webster to Taylor Street) will be conducted for Type 4 manholes first, and the sediment removed from these manholes will be sampled for disposal, and to verify that the sediment is not TSCA (i.e. PCBs exceed 50 ppm) or RCRA hazardous (i.e. TCLP results exceed allowable levels). Task 2 will be conducted for Types 3, 2 and 1 manholes concurrent with Task 3 (Sewer Cleaning) for the associated sewer lines.

Task 3 (Sewer Cleaning, Webster to Taylor Street) will be conducted for Type 3 sewer lines first, then Type 2 sewer lines, and finally Type 1 sewer lines. Sewers will be cleaned in an upstream to downstream direction. Type 4 sewer lines will be cleaned if disposal characterization sampling for the manhole sediment identifies that the Type 4 sediment is TSCA (i.e. PCBs exceed 50 ppm) or RCRA hazardous (i.e. TCLP results

exceed allowable levels). Sewers will be videotaped after cleaning, to verify the effectiveness of cleaning activities.

Task 4 (Sewer Abandonment, Webster to Taylor Street) will be conducted for all sewer lines between Webster and Taylor Street.

Task 5 (Sewer Cleaning, Taylor Street) will be conducted for the sewer lines along Taylor Street. Sewers will be videotaped after cleaning, to verify the effectiveness of cleaning activities, and to provide a record of sewer condition for the City of Dayton.

A schedule is presented as Figure 6 of the Proposed Storm Sewer Abandonment Work Plan (Revision 2) presented in Attachment A.

3. **USEPA Comment**

Personally, I would like to see the report from the Task 1 (investigation) and 2 (sewer integrity) activities before we grant them an approval under 40 CFR Section 761.61(c). We need to know exactly the areas where storm sewers will be abandoned and there may be areas where they will leave some PCBs in place.

Response

Task 1 has been completed to the extent possible. Due to a large amount of sediment in MH-37 and MH-38, connectivity testing at these manholes will be conducted as part of cleaning activities. Due to security and access restrictions, MH-29 located upstream of INT-8 will be sampled concurrent with manhole cleaning activities. The Task 1 investigation results are summarized in Section II of the Proposed Storm Sewer Abandonment Work Plan (Revision 2) presented in Attachment A.

All storm sewers between Webster and Taylor Street will be abandoned, as identified on Figure 2 of the Work Plan. Type 3, 2, and 1 sewers will be cleaned prior to abandonment. It is currently anticipated that Type 4 sewers will not be cleaned prior to abandonment; however, Type 4 sewers will be cleaned if it is determined based on disposal characterization sampling that Type 4 sediment is TSCA (i.e. PCBs exceed 50 ppm) or RCRA hazardous (i.e. TCLP results exceed allowable levels). Manhole sediment sampling conducted to date has identified that PCB concentrations in Type 4 sediment range from 0.145 to 13.5 mg/kg, as shown on Figure 1a.

4. **USEPA Comment**

I have one comment on the composite sampling. Samples from manholes that have been identified and were sampled before and grouped by type (shown in page 4) can be composited as proposed. However, manholes that will be newly identified during sampling must be sampled individually.

Response

Sediment in all storm sewer manholes between Webster and Taylor has been sampled individually at least once, with the exception of MH-74 which was found to be filled with concrete. Results are summarized on Figures 1a and 1b of the Proposed Storm Sewer Abandonment Work Plan (Revision 2) presented in Attachment A.

5. **USEPA Comment**

Please share with me what you have discussed regarding the concrete sampling. There are two concrete sample results from the former substations in the basement of one of the buildings, and they were less than 50 ppm.

Response

Although unrelated to the sewer plan, two concrete samples were collected by GM from the Building 12 basement as part of RFI Stage 1 sampling in 2002. The sample results were 0.581 and 2.16 mg/kg.

6. **USEPA Comment**

The City of Dayton will demolish the concrete slab after GM/CRA conducted the storm sewer investigation, cleanup and abandonment, I am not sure if all the basement floors have been sampled to show that there are no PCBs or if present are less than 50 ppm. City of Dayton sampled the basement of Building 12 and reported between 1.46 ppm and 11.9 ppm. I am asking this because the City of Dayton is requesting us to eliminate the air sampling for PCBs during the removal of the slab and foundations based on the air sampling results during the demolition of the buildings. More than likely the slabs and foundations have more VOCs than PCBs.

Response

Although unrelated to the sewer plan, two concrete samples were collected by GM from the Building 12 basement as part of RFI Stage 1 sampling in 2002. The sample results were 0.581 and 2.16 mg/kg. GM has not collected any other concrete samples between Webster and Taylor Street.

ATTACHMENT D

GM'S CERTIFICATION

UNDER 40 CFR 761.61(a)(3)(i)

ATTACHMENT D

CERTIFICATION STATEMENT

Owner: Peerless Realty/Peerless Transportation Company
Project: Former Delphi Harrison Thermal Systems Facility
300 Taylor Street, Dayton, Ohio
~~Storm~~ Sewer Abandonment Between Webster and Taylor Street

I, _____, hereby certify that all sampling plans, sample collection procedures, sample preparation procedures, and instrumental/chemical analysis procedures used to assess and characterize the presence, concentrations, and extent of polychlorinated biphenyl- (PCB-) impacted media in the storm sewers located between Webster and Taylor Streets at the Former Delphi Harrison Thermal Systems Facility located at 300 Taylor Street in Dayton, Ohio, are on file and available for USEPA review at the following location:

Conestoga-Rovers & Associates
651 Colby Drive
Waterloo, Ontario N2V 1C2
(519) 884-0510
Contact: Sylvie Eastman, P.E.

This work has been conducted on behalf of General Motors Corporation (GM).

By: Carl M Bridges

Date: 1-6-06

By: William J McFarland

Date: 1-5-06

BOW
ENVIRONMENTAL
SOLUTIONS INC.

October 28, 2005

Ms. Patricia J. Polston
Waste, Pesticides and Toxics Division
U.S. EPA Region 5
77 West Jackson Blvd., DW8-J
Chicago, IL 60604-3590

Re: Request for USEPA Approval of Storm Sewer Cleanup and Closure Plan
Former Delphi Harrison Thermal Systems Facility
USEPA ID No. OHD 017 958 604

Dear Ms. Polston:

This letter requests USEPA approval of GM's Storm Sewer Abandonment Work Plan, which is enclosed as Attachment A. The Plan addresses the cleaning and closure of storm sewers located between Taylor and Webster Streets at the subject site. This Plan is a revision of GM's June 2005 Proposed Storm Sewer Abandonment Strategy that addresses USEPA's July 12, 2005 comments. The specific responses to the USEPA comments, which were discussed during a conference call on September 26, 2005, are enclosed as Attachment B.

As discussed during the conference call, GM believes that the procedures and controls that are now described in the Plan provide assurance that closure of the storm sewers will not pose an unreasonable risk of injury pursuant to 40 CFR 761.61(c). The proposed approach involves removal of certain sediments from the sewers and filling all of the sewers between Webster and Taylor Streets with flowable fill. This process will eliminate the potential for exposure to any remaining sewer sediments and therefore will eliminate any potential associated human health risk. The sealing of these sewers will also eliminate any potential migration of sediment or stormwater through these abandoned sewer sections. GM believes that all information necessary to support this determination is included in the Plan. A written certification per the requirements of 40 CFR 761.61(a)(3) is enclosed as Attachment C. As such, this letter and its attachments constitute an application per 40 CFR 761.61(c)(1).

Priscilla Fonseca/R5/USEPA/US
12/07/2005 10:14 AM

To

Subject Comments on GM Dayton Storm Sewer Investigation, Cleanup and Abandonment

Trish,

I am sorry that I did not stay for the PCB discussion. I was not sure if it was in the agenda.

GM submitted the work plan for the above planned activities(October 28, November 22, 2005). They are seeking an approval under 40 CFR 761.61(c) to abandon the storm sewer. The work plan serves as the notification. The certification required under 40 CFR 761.61(a)(3) was enclosed but without the proper signature. Gm should have someone sign the certification and send it back to us.

I am not sure if GM/CRA plans to do the tasks described in the work plan at different times. I understand the investigation and sampling which is Task 1, must be done first. I wonder if Task 2, 3 & 4 will be done one after the other in a particular section of the sewer system.

Personally, I would like to see the report from the Task 1 (investigation) and 2 (sewer integrity) activities before we grant them an approval under 40 CFR Section 761.61(c). We need to know exactly the areas where storm sewers will be abandoned and there may be areas where they will leave some PCBs in place.

I have one comment on the composite sampling. Samples from manholes that have been identified and were sampled before and grouped by type (shown in page 4) can be composited as proposed. However, manholes that will be newly identified during sampling must be sampled individually.

Please share with me what you have discussed regarding the concrete sampling. There are two concrete sample results from the former substations in the basement of one of the buildings, and they were less than 50 ppm.

The City of Dayton will demolish the concrete slab after GM/CRA conducted the storm sewer investigation, cleanup and abandonment, I am not sure if all the basement floors have been sampled to show that there are no PCBs or if present are less than 50 ppm. City of Dayton sampled the basement of Building 12 and reported between 1,46 ppm and 11.9 ppm. I am asking this because the City of Dayton is requesting us to eliminate the air sampling for PCBs during the removal of the slab and foundations based on the air sampling results during the demolition of the buildings. More than likely the slabs and foundations have more VOCs than PCBs.

Priscilla

****

Priscilla Fonseca, Environmental Scientist
Toxics Program Section
312-886-1334
fax: 312-353-4788
fonseca.priscilla@epa.gov

GM intends to proceed with the proposed investigations and cleaning (Tasks 1, 2, 3, and 5) that are described in Section II of the Plan, while awaiting USEPA's approval of the closure of the sewer lines (Task 4) and to complete Task 4 prior to the December 31, 2005 Environmental Indicator Determination deadline.

If you have any questions or require further information, please call me at (937) 455-2636.

Sincerely,

Pamela L. Barnett

Pamela L. Barnett, P.G.
Project Manager
BOW Environmental Solutions, Inc. on behalf of GM

Attachments (3)

c.c. Jean Caufield, GM Remediation
Pamela Hull, Ohio EPA
Carl Bridges, Peerless Transportation Company
Chris Lipson, City of Dayton

ATTACHMENTS TO LETTER RE: RESPONSES TO USEPA's
JULY 12, 2005 COMMENTS ON THE
PROPOSED STORM SEWER ABANDONMENT STRATEGY
FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY
USEPA ID NO. OHD 017 958 604

ATTACHMENT A

PROPOSED STORM SEWER ABANDONMENT WORK PLAN (REVISED)

CONESTOGA-ROVERS & ASSOCIATES

651 Colby Drive, Waterloo, Ontario, Canada N2V 1C2
Telephone: (519) 884-0510 Fax: (519) 884-0525
www.CRAworld.com

MEMORANDUM

TO: Pam Barnett (REALM)

REF. NO.: 12638/pw/38
(12638Polston-10-AttA)

FROM: Sylvie Eastman (CRA)

DATE: October 28, 2005

C.C.: Jean Caufield (GM Remediation)
Chuck Kronbach (GM Communication)
Laura Romeo/Terry Conway (GM legal)
Ian Richardson (CRA)
Jim Little/Christine Horch (H&A)
Steve Song/Rich Kapuscinski (ENVIRON)

RE: **Proposed Storm Sewer Abandonment Work Plan (Revised)**
Former Delphi Harrison Thermal Systems Facility – Dayton, Ohio

This memorandum presents the proposed Storm Sewer Abandonment Work Plan (Work Plan) for the former Delphi Harrison Thermal Systems Facility (Site) in Dayton, Ohio.

GM proposed to:

1. Locate manholes not identified on previous plans (if any), determine connections for any manholes where connections are not identified on previous plans, and sample water and/or sediment in any manholes not previously sampled;

2. Clean manholes between Webster and Taylor Streets to allow sewers to be sealed;

3. Remove sediment from sewer lines between Webster and Taylor Streets that are suspected, based on disposal characterization sample results of manhole sediment, to contain PCB concentrations greater than 50 mg/kg and/or RCRA hazardous material;

4. Abandon sewers between Webster and Taylor Streets by constructing bulkheads at sewer junctions as needed, and placing flowable fill into the sewer lines; and

5. Remove sediment from sewer lines along Taylor Street that will remain in use.

The objective of the proposed storm sewer abandonment is to eliminate the potential for release of sediment from the storm sewers between Webster and Taylor Streets to the City storm sewer along Pitt Street and thereby to the Mad River.

During implementation of this Work Plan, wastes will be managed and disposed in accordance with applicable regulations. After the sewer lines are grouted, there will be no opportunity for future human exposure to or environmental release of any sediments.

I. PRIOR RFI STORM SEWER SAMPLING ACTIVITIES

The objective of the RFI storm sewer sampling was to identify the nature and extent of any release of hazardous waste and/or hazardous constituents in or from the storm sewers at the Site.

Samples were collected during dry (no flow) conditions in April 2002 and during wet (flow) conditions in October 2004. Tables 1a and 1b summarize constituents detected in sewer sediment and water samples, respectively, from sewers located between Webster and Taylor Streets and identify results exceeding risk-based screening criteria for soil and groundwater.

The storm sewer sample results were evaluated against risk-based screening criteria, and submitted to the U.S.EPA and the City of Dayton in the Stage 3 Data Package and Proposed Stage 4 Sampling Event dated September 3, 2004, and the Storm Sewer Sample Results – Summary and Recommendations dated January 10, 2005. The primary constituents of concern in the sewers are PCBs and chlorinated VOCs (primarily PCE and TCE). PAHs and inorganics have also exceeded soil or groundwater screening criteria in sediment and/or water samples, respectively, but these are generally more isolated exceedances. Figures 1a and 1b present a summary of the water and sediment sample results for sewer samples collected between Webster and Taylor Streets for constituents that exceed risk-based criteria.

A section of the storm sewer along Taylor St. between MH-11 and MH-19 was cleaned in August 2004. The sediment removed from this portion of the storm sewer was characterized for disposal and was found to be hazardous for PCE and TCE. Characterization sample results are presented in Appendix A.

II. PROPOSED ACTIVITIES

Task 1 - Proposed Storm Sewer Investigation

The objectives of the proposed additional storm sewer investigation are to i) locate any manholes not identified on previous plans; ii) determine connections for any manholes where storm sewer lines are not identified on previous plans; and iii) facilitate segregation of sediment to be removed from storm sewer lines, thereby minimizing the volume of material that may need to be disposed of as TSCA or RCRA hazardous material.

Following demolition, the concrete slab between Webster and Taylor Street will be inspected in order to identify all manholes. Any manholes not previously identified will be inspected, and all manhole IDs will be marked based on the approximate location coordinates.

Water and/or sediment samples will be collected from storm sewer manholes not previously sampled, and analyzed for TCL VOCs, TCL SVOCs, TCL PCBs, and TAL metals (excluding Al, Ca, Fe, Mg, K, and Na), and results will be provided on a rapid turn around time. Proposed sample locations are shown on Figure 2, and include MH-1, MH-2, MH-3, MH-4, MH-10, MH-13, MH-17, MH-27, MH-28, MH-34, MH-35, MH-36,

MH-38, MH-39, and MH-74. Additional locations may be included, if additional manholes are identified based on the post-demolition inspection.

Smoke or dye testing will be used to attempt to determine connections to sewers for all manholes without connections previously identified. Proposed smoke or dye testing locations are shown on Figure 2, and include MH-37, MH-38, MH-39 and MH-74. Additional locations may be included based on the post-demolition inspection.

The water and sediment sample results and the results of any dye or smoke testing will be provided to U.S. EPA in a written report. Based on the results from this proposed sewer investigation, the proposed cleaning procedures identified in the following Tasks 2 and 3 may be reevaluated.

Task 2 - Proposed Manhole Cleaning (Manholes Between Webster and Taylor Street) and Integrity Assessment

The objective of the proposed manhole cleaning is to allow a seal between the sewer walls and the bulkhead to be installed in the sewer line, thereby eliminating migration of sediment or water through the sewer lines.

All manholes located between Webster and Taylor Streets will be cleaned as identified on Figure 2. The outlet from the manhole will be blocked, sediment and water will be removed with a vacuum truck, the "false bottom" (if any) will be broken, and debris will be removed. A pressure washer may be used to break up consolidated sediment and debris. Appropriate confined space entry procedures will be used, if necessary.

In addition, at selected manhole junctions, the ends of each sewer run will be cleaned to allow the bonding of a bulkhead to the edges of the sewer pipeline. Cleaning the sewer line itself is not necessary to prevent contaminant migration in the case of low solubility chemicals such as PCBs.

All sediment, water, and debris resulting from the manhole cleaning will be containerized. Containerized materials will be segregated, characterized, and disposed of in accordance with applicable regulations.

Material will be segregated based on maximum recorded concentrations of PCE, TCE and/ or PCBs in sediment. Sediment with a PCB concentration greater than 50 mg/kg will be handled as TSCA-regulated waste. As previously discussed, sediment from the storm sewer cleaning activities conducted in August 2004 was found to be RCRA hazardous for PCE and TCE based on the TCLP results presented in Appendix A; the concentrations of these constituents in the manhole samples from this area analyzed for TCL VOCs ranged from 1,700 to 5,600 µg/kg for PCE and 330 to 810 µg/kg for TCE. Therefore a level of 100 µg/kg for either PCE or TCE has been conservatively selected to indicate potential RCRA hazardous waste for purposes of initial material segregation.

Materials will be segregated as follows (see Figure 3):

Sediment Type	Sediment Concentrations Characteristic of Sediment Type	Manhole ID Suspected to Contain Sediment of Stated Type
Type 1	PCE and/or TCE >100 µg/kg and PCBs > 50 mg/kg	MH-37
Type 2	PCBs > 50 mg/kg	MH-12, MH-15, MH-16
Type 3	PCE and/or TCE >100 µg/kg	Taylor Street Manholes (see Task 5)
Type 4	PCBs < 50 mg/kg, PCE < 100 µg/kg and TCE < 100 µg/kg	MH-5, MH-6, MH-25, MH-26, INT-5

How will you do the composite

Note that manholes from the same line have been grouped together based on the highest concentrations from any manhole along that sewer line. A composite sample of each type of material will be collected and analyzed for TCLP parameters and PCBs on a rapid turn around time.

Following cleaning, the integrity of manholes containing Type 1 or 2 sediment will be assessed. Soil will be sampled from beneath manholes with poor integrity.

Task 3 - Proposed Sewer Cleaning (Sewers Between Webster and Taylor Street)

The objective of the proposed sewer cleaning between Webster and Taylor Street is to remove sediment from lines which, based on the manhole sample results, are suspected to contain TSCA (i.e. PCB concentrations above 50 mg/kg) and/or RCRA hazardous material.

The determination of what sewer lines are suspected to contain TSCA material will be based on the PCB results of the individual manhole samples as well as the composite samples collected from each type of sewer sediment. The determination of what sewer lines are suspected to contain RCRA hazardous material will be based on the TCLP results of the composite samples collected from each type of sewer sediment. Two lines have been identified as potentially containing TSCA material, based on RFI Stage 1 and 2 sewer sampling, as identified on Figure 2. Additional lines may be cleaned based on the results of samples collected as part of Tasks 1 and 2.

Sewer cleaning will be conducted in an upstream to downstream direction. The downstream end of the sewer will be plugged during cleaning and all sediment, water, and debris will be removed and containerized. Containerized materials resulting from the sewer cleaning will be segregated, characterized, and disposed of in accordance with applicable regulations. Material will be segregated based on the maximum recorded concentration of PCE , TCE and/or PCBs in the nearest downstream manhole, into Types 1, 2, 3, or 4 based on the criteria presented in Task 2.

Task 4 - Proposed Sewer Abandonment (Sewers Between Webster and Taylor Street)

The objective of the proposed sewer abandonment is to eliminate migration of sediment or water through the sewer lines.

The sewers proposed for abandonment are those under the building slab located in the western portion of the Site as identified on Figure 2. Sewer abandonment will be coordinated with the City of Dayton (City). It is GM's understanding that the City does not plan on reusing the storm sewer lines beneath the building

slab. However, if the City determines that certain lines will be reused, abandonment procedures will be re-evaluated.

Schematics of the sewer abandonment are shown on Figures 4 and 5. Activities will consist of the following:

- Concrete Bulkhead – Bulkheads will be constructed of concrete slurry to prevent migration of any material from the pipeline. Each bulkhead will include either a pipe for introducing the grout after the concrete in the bulkhead has set, or a vent pipe. Bulkhead locations will be strategically selected to minimize the total number of bulkheads constructed.
- Grout Sewers – The sewer run between each pair of bulkheads will be grouted by pumping a liquid slurry into the pipeline through the bulkhead's pipe. The liquid slurry grout will be pumped under pressure and will flow to the bulkhead at the end of the sewer run.

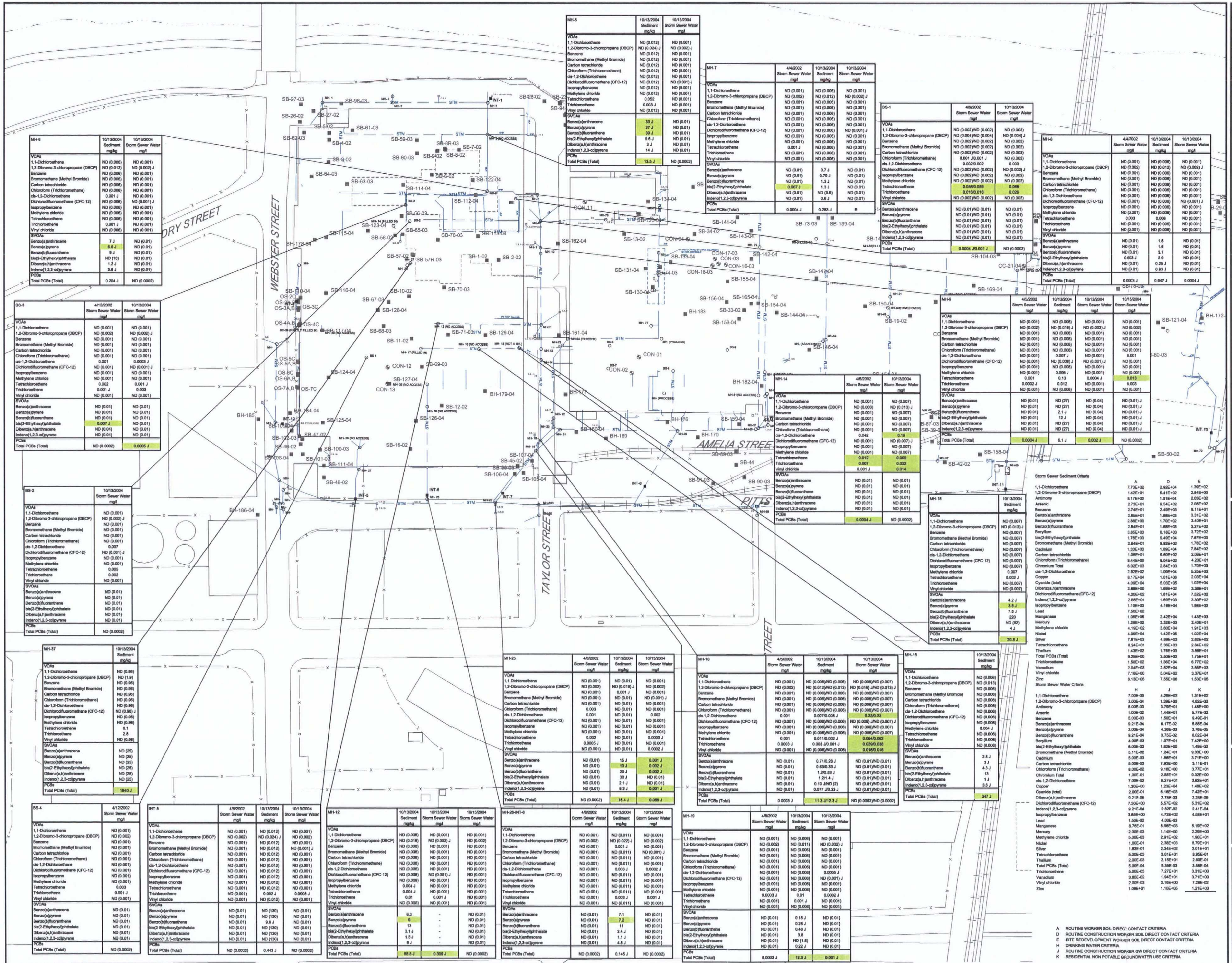
Task 5 - Proposed Sewer Cleaning and Videotaping (Sewers Along Taylor Street)

The objectives of the proposed sewer cleaning and videotaping are, respectively, to remove sediment from the sewers that will remain in use, thereby eliminating the potential for discharge of this material to the City sewer along Pitt Street and the Mad River, and to verify that the sewers are in a suitable condition for reuse. It is assumed that sewer repair, if necessary, will be conducted by the City.

The sewers proposed for cleaning and videotaping are those located along Taylor Street as identified on Figure 2. Sewers will be cleaned using the procedure identified in Task 3. Following cleaning, the sewers will be videotaped during low flow conditions. This will verify that all sediment has been removed, identify the condition of the sewer pipe, and locate any influent lines not identified during the manhole survey completed during Stage 1 RFI sampling.

Scheduling

A schedule for the proposed work is presented on Figure 6.



MH-6

MH-6	10/13/2004 Sediment mg/kg	10/13/2004 Storm Sewer Water mg/l
VOAs		
1,1-Dichloroethene	ND (0.006)	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.012)	ND (0.002) J
Benzene	ND (0.006)	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.006)	ND (0.001)
Carbon tetrachloride	ND (0.006)	ND (0.001)
Chloroform (Trichloromethane)	ND (0.006)	ND (0.001)
cis-1,2-Dichloroethene	0.001 J	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.006)	ND (0.001) J
Isopropylbenzene	ND (0.006)	ND (0.001)
Methylene chloride	ND (0.006)	ND (0.001)
Tetrachloroethene	ND (0.006)	ND (0.001)
Trichloroethene	0.001 J	ND (0.001)
Vinyl chloride	ND (0.006)	ND (0.001)
SVOAs		
Benzo(a)anthracene	7 J	ND (0.01)
Benzo(a)pyrene	6.6 J	ND (0.01)
Benzo(b)fluoranthene	9 J	ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (10)	ND (0.01)
Dibenz(a,h)anthracene	1.2 J	ND (0.01)
Indeno(1,2,3-cd)pyrene	3.6 J	ND (0.01)
PCBs		
Total PCBs (Total)	0.204 J	ND (0.0002)

BS-3

BS-3	4/12/2002 Storm Sewer Water mg/l	10/13/2004 Storm Sewer Water mg/l
VOAs		
1,1-Dichloroethene	ND (0.001)	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.002)	ND (0.002) J
Benzene	ND (0.001)	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.001)	ND (0.001)
Carbon tetrachloride	ND (0.001)	ND (0.001)
Chloroform (Trichloromethane)	ND (0.001)	ND (0.001)
cis-1,2-Dichloroethene	0.001	0.0003 J
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.001) J
Isopropylbenzene	ND (0.001)	ND (0.001)
Methylene chloride	ND (0.001)	ND (0.001)
Tetrachloroethene	0.002	0.001 J
Trichloroethene	0.001 J	0.003
Vinyl chloride	ND (0.001)	ND (0.001)
SVOAs		
Benzo(a)anthracene	ND (0.01)	ND (0.01)
Benzo(a)pyrene	ND (0.01)	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)	ND (0.01)
bis(2-Ethylhexyl)phthalate	0.007 J	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)	ND (0.01)
Indeno(1,2,3-cd)pyrene	ND (0.01)	ND (0.01)
PCBs		
Total PCBs (Total)	ND (0.0002)	0.0005 J

BS-2

BS-2	10/13/2004 Storm Sewer Water mg/l
VOAs	
1,1-Dichloroethene	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.002) J
Benzene	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.001)
Carbon tetrachloride	ND (0.001)
Chloroform (Trichloromethane)	ND (0.001)
cis-1,2-Dichloroethene	0.007
Dichlorodifluoromethane (CFC-12)	ND (0.001) J
Isopropylbenzene	ND (0.001)
Methylene chloride	ND (0.001)
Tetrachloroethene	0.005
Trichloroethene	0.002
Vinyl chloride	ND (0.001)
SVOAs	
Benzo(a)anthracene	ND (0.01)
Benzo(a)pyrene	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)
Indeno(1,2,3-cd)pyrene	ND (0.01)
PCBs	
Total PCBs (Total)	ND (0.0002)

MH-37

MH-37	10/13/2004 Sediment mg/kg
VOAs	
1,1-Dichloroethene	ND (0.96)
1,2-Dibromo-3-chloropropane (DBCP)	ND (1.9)
Benzene	ND (0.96)
Bromomethane (Methyl Bromide)	ND (0.96)
Carbon tetrachloride	ND (0.96)
Chloroform (Trichloromethane)	ND (0.96)
cis-1,2-Dichloroethene	ND (0.96)
Dichlorodifluoromethane (CFC-12)	ND (0.96) J
Isopropylbenzene	ND (0.96)
Methylene chloride	ND (0.96)
Tetrachloroethene	6.1
Trichloroethene	2.8
Vinyl chloride	ND (0.96)
SVOAs	
Benzo(a)anthracene	ND (25)
Benzo(a)pyrene	ND (25)
Benzo(b)fluoranthene	ND (25)
bis(2-Ethylhexyl)phthalate	ND (25)
Dibenz(a,h)anthracene	ND (25)
Indeno(1,2,3-cd)pyrene	ND (25)
PCBs	
Total PCBs (Total)	1940 J

BS-4

BS-4	4/12/2002 Storm Sewer Water mg/l
VOAs	
1,1-Dichloroethene	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.002)
Benzene	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.001)
Carbon tetrachloride	ND (0.001)
Chloroform (Trichloromethane)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.001)
Isopropylbenzene	ND (0.001)
Methylene chloride	ND (0.001)
Tetrachloroethene	0.003
Trichloroethene	0.001 J
Vinyl chloride	ND (0.001)
SVOAs	
Benzo(a)anthracene	ND (0.01)
Benzo(a)pyrene	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)
Indeno(1,2,3-cd)pyrene	ND (0.01)
PCBs	
Total PCBs (Total)	ND (0.0002)

INT-5

INT-5	4/8/2002 Storm Sewer Water mg/l	10/13/2004 Sediment mg/kg	10/13/2004 Storm Sewer Water mg/l
VOAs			
1,1-Dichloroethene	ND (0.001)	ND (0.012)	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.002)	ND (0.024) J	ND (0.002)
Benzene	ND (0.001)	ND (0.012)	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.001)	ND (0.012)	ND (0.001) J
Carbon tetrachloride	ND (0.001)	ND (0.012)	ND (0.001)
Chloroform (Trichloromethane)	ND (0.001)	ND (0.012)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.001)	ND (0.012)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.012)	ND (0.001)
Isopropylbenzene	ND (0.001)	ND (0.012)	ND (0.001)
Methylene chloride	ND (0.001)	ND (0.012)	ND (0.001)
Tetrachloroethene	ND (0.001)	ND (0.012)	ND (0.001)
Trichloroethene	ND (0.001)	0.002 J	0.0003 J
Vinyl chloride	ND (0.001)	ND (0.012)	ND (0.001)
SVOAs			
Benzo(a)anthracene	ND (0.01)	ND (130)	ND (0.01)
Benzo(a)pyrene	ND (0.01)	ND (130)	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)	9.6 J	ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (0.01)	ND (130)	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)	ND (130)	ND (0.01)
Indeno(1,2,3-cd)pyrene	ND (0.01)	ND (130)	ND (0.01)
PCBs			
Total PCBs (Total)	ND (0.0002)	0.443 J	ND (0.0002)

MH-12

MH-12	10/13/2004 Sediment mg/kg	10/13/2004 Storm Sewer Water mg/l	10/15/2004 Storm Sewer Water mg/l
VOAs			
1,1-Dichloroethene	ND (0.008)	ND (0.001)	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.016)	ND (0.002) J	ND (0.002)
Benzene	ND (0.008)	ND (0.001)	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.008)	ND (0.001)	ND (0.001)
Carbon tetrachloride	ND (0.008)	ND (0.001)	ND (0.001)
Chloroform (Trichloromethane)	ND (0.008)	ND (0.001)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.008)	ND (0.001)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.008)	ND (0.001) J	ND (0.001)
Isopropylbenzene	ND (0.008)	ND (0.001)	ND (0.001)
Methylene chloride	0.004 J	ND (0.001)	ND (0.001)
Tetrachloroethene	0.004 J	ND (0.001)	ND (0.001)
Trichloroethene	0.01	0.001 J	ND (0.001)
Vinyl chloride	ND (0.008)	ND (0.001)	ND (0.001)
SVOAs			
Benzo(a)anthracene	6.3	-	ND (0.01)
Benzo(a)pyrene	9	-	ND (0.01)
Benzo(b)fluoranthene	13	-	ND (0.01)
bis(2-Ethylhexyl)phthalate	3.1 J	-	ND (0.01)
Dibenz(a,h)anthracene	1.5 J	-	ND (0.01)
Indeno(1,2,3-cd)pyrene	6 J	-	ND (0.01)
PCBs			
Total PCBs (Total)	55.8 J	0.309 J	ND (0.0002)

MH-26-INT-6

MH-26-INT-6	4/8/2002 Storm Sewer Water mg/l	10/13/2004 Sediment mg/kg	10/13/2004 Storm Sewer Water mg/l
VOAs			
1,1-Dichloroethene	ND (0.001)	ND (0.011)	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.002)	ND (0.022) J	ND (0.002)
Benzene	ND (0.001)	0.001 J	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.001)	ND (0.011)	ND (0.001) J
Carbon tetrachloride	ND (0.001)	ND (0.011)	ND (0.001)
Chloroform (Trichloromethane)	ND (0.001)	ND (0.011)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.001)	0.003 J	0.0002 J
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.011)	ND (0.001)
Isopropylbenzene	ND (0.001)	ND (0.011)	ND (0.001)
Methylene chloride	ND (0.001)	ND (0.011)	ND (0.001)
Tetrachloroethene	ND (0.001)	ND (0.011)	ND (0.001)
Trichloroethene	ND (0.001)	0.003 J	0.001 J
Vinyl chloride	ND (0.001)	ND (0.011)	ND (0.001)
SVOAs			
Benzo(a)anthracene	ND (0.01)	7.1	ND (0.01)
Benzo(a)pyrene	ND (0.01)	7.2	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)	11	ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (0.01)	2.4 J	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)	1.1 J	ND (0.01)
Indeno(1,2,3-cd)pyrene	ND (0.01)	4.5 J	ND (0.01)
PCBs			
Total PCBs (Total)	ND (0.0002)	0.145 J	ND (0.0002)

MH-25

MH-25	4/8/2002 Storm Sewer Water mg/l	10/13/2004 Sediment mg/kg	10/13/2004 Storm Sewer Water mg/l
VOAs			
1,1-Dichloroethene	ND (0.001)	ND (0.01)	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.002)	ND (0.019) J	ND (0.002)
Benzene	ND (0.001)	0.001 J	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.001)	ND (0.01)	ND (0.001) J
Carbon tetrachloride	ND (0.001)	ND (0.01)	ND (0.001)
Chloroform (Trichloromethane)	0.003	ND (0.01)	ND (0.001)
cis-1,2-Dichloroethene	0.001	ND (0.01)	0.002
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.01)	ND (0.001)
Isopropylbenzene	ND (0.001)	ND (0.01)	ND (0.001)
Methylene chloride	ND (0.001)	ND (0.01)	ND (0.001)
Tetrachloroethene	0.002	ND (0.01)	0.0003 J
Trichloroethene	0.0005 J	ND (0.01)	ND (0.001)
Vinyl chloride	ND (0.001)	ND (0.01)	0.0002 J
SVOAs			
Benzo(a)anthracene	ND (0.01)	15 J	0.001 J
Benzo(a)pyrene	ND (0.01)	13 J	0.002 J
Benzo(b)fluoranthene	ND (0.01)	20 J	0.002 J
bis(2-Ethylhexyl)phthalate	ND (0.01)	30 J	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)	2.1 J	ND (0.01)
Indeno(1,2,3-cd)pyrene	ND (0.01)	8.3 J	0.001 J
PCBs			
Total PCBs (Total)	ND (0.0002)	15.4 J	0.056 J

MH-18

MH-18	4/5/2002 Storm Sewer Water mg/l	10/13/2004 Sediment mg/kg	10/13/2004 Storm Sewer Water mg/l
VOAs			
1,1-Dichloroethene	ND (0.001)	ND (0.006)/ND (0.006)	ND (0.008)/ND (0.007)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.002)	ND (0.012)/ND (0.012)	ND (0.016) J/ND (0.013) J
Benzene	ND (0.001)	ND (0.006)/ND (0.006)	ND (0.008)/ND (0.007)
Bromomethane (Methyl Bromide)	ND (0.001)	ND (0.006)/ND (0.006)	ND (0.008)/ND (0.007)
Carbon tetrachloride	ND (0.001)	ND (0.006)/ND (0.006)	ND (0.008)/ND (0.007)
Chloroform (Trichloromethane)	ND (0.001)	ND (0.006)/ND (0.006)	ND (0.008)/ND (0.007)
cis-1,2-Dichloroethene	0.001	0.007/0.005 J	0.23/0.23
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.006)/ND (0.006)	ND (0.008) J/ND (0.007) J
Isopropylbenzene	ND (0.001)	ND (0.006)/ND (0.006)	ND (0.008)/ND (0.007)
Methylene chloride	ND (0.001)	ND (0.006)/ND (0.006)	ND (0.008)/ND (0.007)
Tetrachloroethene	0.001	0.011/0.002 J	0.064/0.062
Trichloroethene	0.0003 J	0.003 J/0.001 J	0.039/0.038
Vinyl chloride	ND (0.001)	ND (0.006)/ND (0.006)	0.016/0.016
SVOAs			
Benzo(a)anthracene	ND (0.01)	0.71/0.28 J	ND (0.01)/ND (0.01)
Benzo(a)pyrene	ND (0.01)	0.63/0.33 J	ND (0.01)/ND (0.01)
Benzo(b)fluoranthene	ND (0.01)	1.2/0.53 J	ND (0.01)/ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (0.01)	1.2/1.4 J	ND (0.01)/ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)	0.13 J/ND (2)	ND (0.01)/ND (0.01)
Indeno(1,2,3-cd)pyrene	ND (0.01)	0.077 J/0.23 J	ND (0.01)/ND (0.01)
PCBs			
Total PCBs (Total)	0.0003 J	11.3 J/12.3 J	ND (0.0002)/ND (0.0002)

MH-16

MH-16	10/13/2004 Sediment mg/kg
VOAs	
1,1-Dichloroethene	ND (0.006)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.013)
Benzene	ND (0.006)
Bromomethane (Methyl Bromide)	ND (0.006)
Carbon tetrachloride	ND (0.006)
Chloroform (Trichloromethane)	ND (0.006)
cis-1,2-Dichloroethene	ND (0.006)
Dichlorodifluoromethane (CFC-12)	ND (0.006)
Isopropylbenzene	ND (0.006)
Methylene chloride	0.004 J
Tetrachloroethene	ND (0.006)
Trichloroethene	ND (0.006)
Vinyl chloride	ND (0.006)
SVOAs	
Benzo(a)anthracene	2.8 J
Benzo(a)pyrene	3 J
Benzo(b)fluoranthene	4.3 J
bis(2-Ethylhexyl)phthalate	13
Dibenz(a,h)anthracene	1 J
Indeno(1,2,3-cd)pyrene	3.6 J
PCBs	
Total PCBs (Total)	347 J

MH-19

MH-19	4/8/2002 Storm Sewer Water mg/l	10/13/2004 Sediment mg/kg	10/13/2004 Storm Sewer Water mg/l
VOAs			
1,1-Dichloroethene	ND (0.001)	ND (0.006)	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.002)	ND (0.011)	ND (0.002) J
Benzene	ND (0.001)	ND (0.006)	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.001)	ND (0.006)	ND (0.001)
Carbon tetrachloride	ND (0.001)	ND (0.006)	ND (0.001)
Chloroform (Trichloromethane)	ND (0.001)	ND (0.006)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.001)	ND (0.006)	0.0005 J
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.006)	ND (0.001) J
Isopropylbenzene	ND (0.001)	ND (0.006)	ND (0.001)
Methylene chloride	ND (0.001)	ND (0.006)	ND (0.001)
Tetrachloroethene	0.0003 J	0.01	0.0002 J
Trichloroethene	ND (0.001)	0.001 J	ND (0.001)
Vinyl chloride	ND (0.001)	ND (0.006)	ND (0.001)
SVOAs			
Benzo(a)anthracene	ND (0.01)	0.18 J	ND (0.01)
Benzo(a)pyrene	ND (0.01)	0.26 J	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)	0.48 J	ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (0.01)	3.8	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)	ND (1.6)	ND (0.01)
Indeno(1,2,3-cd)pyrene	ND (0.01)	0.22 J	ND (0.01)
PCBs			
Total PCBs (Total)	0.0002 J	12.3 J	0.001 J

MH-15

MH-15	10/13/2004 Sediment mg/kg
VOAs	
1,1-Dichloroethene	ND (0.007)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.013) J
Benzene	ND (0.007)
Bromomethane (Methyl Bromide)	ND (0.007)
Carbon tetrachloride	ND (0.007)
Chloroform (Trichloromethane)	ND (0.007)
cis-1,2-Dichloroethene	ND (0.007)
Dichlorodifluoromethane (CFC-12)	ND (0.007)
Isopropylbenzene	ND (0.007)
Methylene chloride	0.007
Tetrachloroethene	0.002 J
Trichloroethene	ND (0.007)
Vinyl chloride	ND (0.007)
SVOAs	
Benzo(a)anthracene	4.2 J
Benzo(a)pyrene	3.8 J
Benzo(b)fluoranthene	7.6 J
bis(2-Ethylhexyl)phthalate	220
Dibenz(a,h)anthracene	ND (52)
Indeno(1,2,3-cd)pyrene	4 J
PCBs	
Total PCBs (Total)	20.8 J

MH-14

MH-14	4/5/2002 Storm Sewer Water mg/l	10/13/2004 Storm Sewer Water mg/l
VOAs		
1,1-Dichloroethene	ND (0.001)	ND (0.007)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.003)	ND (0.013) J
Benzene	ND (0.001)	ND (0.007)
Bromomethane (Methyl Bromide)	ND (0.001)	ND (0.007)
Carbon tetrachloride	ND (0.001)	ND (0.007)
Chloroform (Trichloromethane)	ND (0.001)	ND (0.007)
cis-1,2-Dichloroethene	0.042	0.19
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.007) J
Isopropylbenzene	ND (0.001)	ND (0.007)
Methylene chloride	ND (0.001)	ND (0.007)
Tetrachloroethene	0.012	0.059
Trichloroethene	0.007	0.032
Vinyl chloride	0.001 J	0.014
SVOAs		
Benzo(a)anthracene	ND (0.01)	ND (0.01)
Benzo(a)pyrene	ND (0.01)	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)	ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (0.01)	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)	ND (0.01)
Indeno(1,2,3-cd)pyrene	ND (0.01)	ND (0.01)
PCBs		
Total PCBs (Total)	0.0004 J	ND (0.0002)

MH-5

MH-5	10/13/2004 Sediment mg/kg	10/13/2004 Storm Sewer Water mg/l
VOAs		
1,1-Dichloroethene	ND (0.012)	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.024) J	ND (0.002) J
Benzene	ND (0.012)	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.012)	ND (0.001)
Carbon tetrachloride	ND (0.012)	ND (0.001)
Chloroform (Trichloromethane)	ND (0.012)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.012)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.012)	ND (0.001) J
Isopropylbenzene	ND (0.012)	ND (0.001)
Methylene chloride	ND (0.012)	ND (0.001)
Tetrachloroethene	0.052	ND (0.001)
Trichloroethene	0.003 J	ND (0.001)
Vinyl chloride	ND (0.012)	ND (0.001)
SVOAs		
Benzo(a)anthracene	33 J	ND (0.01)
Benzo(a)pyrene	27 J	ND (0.01)
Benzo(b)fluoranthene	39 J	ND (0.01)
bis(2-Ethylhexyl)phthalate	9.6 J	ND (0.01)
Dibenz(a,h)anthracene	3 J	ND (0.01)
Indeno(1,2,3-cd)pyrene	14 J	ND (0.01)
PCBs		
Total PCBs (Total)	13.5 J	ND (0.0002)

MH-7

MH-7	4/4/2002 Storm Sewer Water mg/l	10/13/2004 Sediment mg/kg	10/13/2004 Storm Sewer Water mg/l
VOAs			
1,1-Dichloroethene	ND (0.001)	ND (0.006)	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.002)	ND (0.012)	ND (0.002) J
Benzene	ND (0.001)	ND (0.006)	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.001)	ND (0.006)	ND (0.001)
Carbon tetrachloride	ND (0.001)	ND (0.006)	ND (0.001)
Chloroform (Trichloromethane)	ND (0.001)	ND (0.006)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.001)	ND (0.006)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.006)	ND (0.001) J
Isopropylbenzene	ND (0.001)	ND (0.006)	ND (0.001)
Methylene chloride	ND (0.001)	ND (0.006)	ND (0.001)
Tetrachloroethene	0.001 J	ND (0.006)	ND (0.001)
Trichloroethene	ND (0.001)	ND (0.006)	ND (0.001)
Vinyl chloride	ND (0.001)	ND (0.006)	ND (0.001)
SVOAs			
Benzo(a)anthracene	ND (0.01)	0.7 J	ND (0.01)
Benzo(a)pyrene	ND (0.01)	0.79 J	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)	1.3 J	ND (0.01)
bis(2-Ethylhexyl)phthalate	0.007 J	1.3 J	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)	ND (3.9)	ND (0.01)
Indeno(1,2,3-cd)pyrene	ND (0.01)	0.6 J	ND (0.01)
PCBs			
Total PCBs (Total)	0.0004 J	0.283 J	R

BS-1

BS-1	4/9/2002 Storm Sewer Water mg/l	10/13/2004 Storm Sewer Water mg/l
VOAs		
1,1-Dichloroethene	ND (0.002)/ND (0.002)	ND (0.002)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.004)/ND (0.004)	ND (0.004) J
Benzene	ND (0.002)/ND (0.002)	ND (0.002)
Bromomethane (Methyl Bromide)	ND (0.002)/ND (0.002)	ND (0.002)
Carbon tetrachloride	ND (0.002)/ND (0.002)	ND (0.002)
Chloroform (Trichloromethane)	0.001 J/0.001 J	ND (0.002)
cis-1,2-Dichloroethene	0.002/0.002	0.003
Dichlorodifluoromethane (CFC-12)	ND (0.002)/ND (0.002)	ND (0.002) J
Isopropylbenzene	ND (0.002)/ND (0.002)	ND (0.002)
Methylene chloride	ND (0.002)/ND (0.002)	ND (0.002)
Tetrachloroethene	0.058/0.059	0.069
Trichloroethene	0.016/0.016	0.026
Vinyl chloride	ND (0.002)/ND (0.002)	ND (0.002)
SVOAs		
Benzo(a)anthracene	ND (0.01)/ND (0.01)	ND (0.01)
Benzo(a)pyrene	ND (0.01)/ND (0.01)	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)/ND (0.01)	ND (0.01)
bis(2-Ethylhexyl)phthalate	ND (0.01)/ND (0.01)	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)/ND (0.01)	ND (0.01)
Indeno(1,2,3-cd)pyrene	ND (0.01)/ND (0.01)	ND (0.01)
PCBs		
Total PCBs (Total)	0.0004 J/0.001 J	ND (0.0002)

MH-8

MH-8	4/4/2002 Storm Sewer Water mg/l	10/13/2004 Sediment mg/kg	10/13/2004 Storm Sewer Water mg/l
VOAs			
1,1-Dichloroethene	ND (0.001)	ND (0.006)	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.002)	ND (0.012)	ND (0.002) J
Benzene	ND (0.001)	ND (0.006)	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.001)	ND (0.006)	ND (0.001)
Carbon tetrachloride	ND (0.001)	ND (0.006)	ND (0.001)
Chloroform (Trichloromethane)	ND (0.001)	ND (0.006)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.001)	ND (0.006)	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.006)	ND (0.001) J
Isopropylbenzene	ND (0.001)	ND (0.006)	ND (0.001)
Methylene chloride	ND (0.001)	ND (0.006)	ND (0.001)
Tetrachloroethene	0.003	0.008	ND (0.001)
Trichloroethene	ND (0.001)	ND (0.006)	ND (0.001)
Vinyl chloride	ND (0.001)	ND (0.006)	ND (0.001)
SVOAs			
Benzo(a)anthracene	ND (0.01)	1.6	ND (0.01)
Benzo(a)pyrene	ND (0.01)	1.6	ND (0.01)
Benzo(b)fluoranthene	ND (0.01)	3.1	ND (0.01)
bis(2-Ethylhexyl)phthalate	0.003 J	2.9	ND (0.01)
Dibenz(a,h)anthracene	ND (0.01)	0.25 J	ND (0.01)
Indeno(1,2,3-cd)pyrene	ND (0.01)	0.83 J	ND (0.01)
PCBs			
Total PCBs (Total)	0.0003 J	0.947 J	0.0004 J

MH-9

MH-9	4/5/2002 Storm Sewer Water mg/l	10/13/2004 Sediment mg/kg	10/13/2004 Storm Sewer Water mg/l	10/15/2004 Storm Sewer Water mg/l
VOAs				
1,1-Dichloroethene	ND (0.001)	ND (0.006)	ND (0.001)	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.002)	ND (0.016) J	ND (0.002) J	ND (0.002)
Benzene	ND (0.001)	ND (0.008)	ND (0.001)	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.001)	ND (0.008)	ND (0.001)	ND (0.001)
Carbon tetrachloride	ND (0.001)	ND (0.008)	ND (0.001)	ND (0.001)
Chloroform (Trichloromethane)	ND (0.001)	ND (0.008)	ND (0.001)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.001)	0.007 J	ND (0.001)	0.001
Dichlorodifluoromethane (CFC-12)	ND (0.001)	ND (0.008) J	ND (0.001) J	ND (0.001)
Isopropylbenzene	ND (0.001)	ND (0.008)	ND (0.001)	ND (0.001)
Methylene chloride	ND (0.001)	0.006 J	ND (0.001)	ND (0.001)
Tetrachloroethene	0.001	0.13	0.0004 J	0.013
Trichloroethene	0.0002 J	0.012	ND (0.001)	0.003
Vinyl chloride	ND (0.001)	ND (0.008)	ND (0.001)	ND (0.001)
SVOAs				
Benzo(a)anthracene	ND (0.01)	ND (27)	ND (0.04)	ND (0.01) J
Benzo(a)pyrene	ND (0.01)	ND (27)	ND (0.04)	ND (0.01) J
Benzo(b)fluoranthene	ND (0.01)	2.1 J	ND (0.04)	ND (0.01) J
bis(2-Ethylhexyl)phthalate	ND (0.01)	12 J	ND (0.04)	ND (0.01) J
Dibenz(a,h)anthracene	ND (0.01)	ND (27)	ND (0.04)	ND (0.01) J
Indeno(1,2,3-cd)pyrene	ND (0.01)	ND (27)	ND (0.04)	ND (0.01) J
PCBs				
Total PCBs (Total)	0.0004 J	6.1 J	0.002 J	ND (0.0002)

Nº	Revision	Date	Initial

0 40 80ft

LEGEND
- BUILDING WALL
- FORMER BUILDING WALL
- SHORELINE
- RAILROAD
- STM STORM SEWER
- SOIL BORING LOCATION
- WIPE/CONCRETE CORE SAMPLE LOCATION
- MH-18 STORM SEWER MANHOLE LOCATION
- BS-8 BASEMENT SUMP LOCATION

SAMPLE LOCATION — SAMPLE DATE — SAMPLE MATRIX — RESULT UNIT — CONCENTRATION — PARAMETER

BS-4	4/12/2002 Storm Sewer Water mg/l
VOAs	
1,1-Dichloroethene	ND (0.001)
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.002)
1,2-Dibromoethane (Ethylene Dibromide)	ND (0.001)
Benzene	ND (0.001)
Bromomethane (Methyl Bromide)	ND (0.001)
Carbon tetrachloride	ND (0.001)
Chloroform (Trichloromethane)	ND (0.001)
cis-1,2-Dichloroethene	ND (0.001)
Dichlorodifluoromethane (CFC-12)	ND (0.001)
Isopropylbenzene	ND (0.001)
Methylene chloride	ND (0.001)
Tetrachloroethene	0.003
Trichloroethene	0.001 J
Vinyl chloride	ND (0.001)

0.006 J (H) EXCEEDS CRITERIA

NOTES:
1. TOTAL PCBs WERE SUMMED BY ADDING THE POSITIVE DETECTIONS PLUS HALF THE QUANTITATION LIMITS FOR NON-DETECT RESULTS OF AROCLORS DETECTED ELSEWHERE AT THE SITE. IF QUANTITATION LIMITS ARE NOT AVAILABLE, HALF THE REPORTING LIMITS ARE USED FOR NON-DETECTED VALUES.
2. SCREENING CRITERIA AND SAMPLE RESULTS ARE COMPARED TO TWO SIGNIFICANT DIGITS. RESULTS EQUAL TO SCREENING CRITERIA ARE NOT HIGHLIGHTED AS EXCEEDANCES.
3. PARAMETERS THAT DO NOT APPEAR IN THE DATABOX FOR A PARTICULAR SAMPLE WERE NOT ANALYZED.

Storm Sewer Sediment Criteria

Parameter	A	D	E
1,1-Dichloroethene	7.73E+02	2.92E+04	1.39E+02
1,2-Dibromo-3-chloropropane (DBCP)	1.42E+01	5.41E+02	2.54E+00
Antimony	8.17E+02	1.01E+04	2.03E+02
Arsenic	2.73E+01	9.54E+02	2.08E+02
Benzene	2.74E+01	2.49E+03	8.11E+01
Benzo(a)anthracene	2.85E+01	1.68E+03	3.31E+02
Benzo(a)pyrene	2.88E+00	1.70E+02	3.40E+01
Benzo(b)fluoranthene	2.84E+01	1.68E+03	3.27E+02
Beryllium	3.85E+03	8.18E+03	3.72E+02
bis(2-Ethylhexyl)phthalate	1.76E+03	9.49E+04	7.67E+03
Bromomethane (Methyl Bromide)	2.64E+01	9.92E+02	1.78E+02
Cadmium	1.33E+03	1.89E+04	7.84E+02
Carbon tetrachloride	1.06E+01	9.80E+02	2.06E+01
Chloroform (Trichloromethane)	9.44E+00	9.04E+02	4.23E+01
Chromium Total	6.02E+03	2.84E+03	1.70E+03
cis-1,2-Dichloroethene	2.92E+02	1.09E+04	5.25E+02
Copper	8.17E+04	1.01E+06	2.03E+04
Cyanide (total)	4.09E+04	5.03E+05	1.02E+04
Dibenz(a,h)anthracene	2.88E+00	1.69E+02	3.39E+01
Dichlorodifluoromethane (CFC-12)	4.20E+02	1.61E+04	7.52E+02
Indeno(1,2,3-cd)pyrene	2.88E+01	1.69E+03	3.39E+02
Isopropylbenzene	1.10E+03	4.16E+04	1.98E+02
Lead	7.50E+02		
Manganese	1.06E+05	2.42E+04	1.43E+03
Mercury	1.26E+02	3.32E+03	2.40E+01
Methylene chloride	4.19E+02	3.60E+04	1.91E+03
Nickel	4.09E+04	1.42E+05	1.02E+04
Silver	7.81E+03	4.69E+03	2.62E+02
Tetrachloroethene	6.24E+01	5.36E+03	2.84E+02
Thallium	1.43E+02	1.78E+03	3.56E+01
Total PCBs (Total)	9.25E+00	3.50E+02	1.75E+01
Trichloroethene	1.50E+02	1.36E+04	6.77E+02
Vanadium	2.04E+03	2.52E+04	3.56E+03
Vinyl chloride	7.16E+00	5.04E+02	3.37E+01
Zinc	6.13E+05	7.56E+06	1.53E+05

Storm Sewer Water Criteria

Parameter	H	J	K
1,1-Dichloroethene	7.00E-03	4.29E+02	1.31E+02
1,2-Dibromo-3-chloropropane (DBCP)	2.00E-04	1.39E+00	4.62E-02
Antimony	6.00E-03	3.79E+01	1.48E+00
Arsenic	1.00E-02	1.44E+01	5.77E-02
Benzene	5.00E-03	1.50E+01	9.49E-01
Benzo(a)anthracene	9.21E-04	6.17E-02	5.88E-04
Benzo(a)pyrene	2.00E-04	4.36E-03	3.76E-05
Benzo(b)fluoranthene	9.21E-04	3.75E-02	6.02E-04
Beryllium	4.00E-03	1.07E+01	7.42E+00
bis(2-Ethylhexyl)phthalate	6.00E-03	1.82E+00	1.49E-02
Bromomethane (Methyl Bromide)	5.11E-02	1.24E+01	9.33E+00
Cadmium	5.00E-03	1.86E+01	3.71E+00
Carbon tetrachloride	5.00E-03	7.93E+00	3.11E-01
Chloroform (Trichloromethane)	8.00E-02	9.16E+00	3.77E+01
Chromium Total	1.00E-01	2.85E+01	9.32E+00
cis-1,2-Dichloroethene	7.00E-02	8.27E+01	3.62E+01
Copper	1.30E+00	1.23E+04	1.48E+02
Cyanide (total)	2.00E-01	6.16E+03	7.42E+01
Dibenz(a,h)anthracene	9.21E-05	2.78E-03	2.28E-05
Dichlorodifluoromethane (CFC-12)	7.30E+00	5.57E+02	5.31E+02
Indeno(1,2,3-cd)pyrene	9.21E-04	2.82E-02	2.41E-04
Isopropylbenzene	3.65E+00	4.72E+02	4.58E+01
Lead	1.50E-02	4.00E-03	
Manganese	8.76E-01	5.96E+03	5.19E+02
Mercury	2.00E-03	1.14E+00	2.29E+00
Methylene chloride	5.00E-03	2.91E+02	1.90E+01
Nickel	1.00E-01	2.38E+03	8.79E+01
Silver	1.83E-01	2.34E+02	2.01E+01
Tetrachloroethene	5.00E-03	3.01E+01	8.95E-01
Thallium	2.00E-03	2.15E+01	2.60E-01
Total PCBs (Total)	5.00E-04	9.35E-03	3.58E-04
Trichloroethene	5.00E-03	7.27E+01	3.31E+00
Vanadium	3.65E-02	1.94E+01	3.71E+00
Vinyl chloride	2.00E-03	3.16E+00	7.28E-02
Zinc	1.09E+01	1.10E+05	1.21E+03

A ROUTINE WORKER SOIL DIRECT CONTACT CRITERIA
D ROUTINE CONSTRUCTION WORKER SOIL DIRECT CONTACT CRITERIA
E SITE REDEVELOPMENT WORKER SOIL DIRECT CONTACT CRITERIA
H DRINKING WATER CRITERIA
J ROUTINE CONSTRUCTION WORKER GW DIRECT CONTACT CRITERIA
K RESIDENTIAL NON POTABLE GROUNDWATER USE CRITERIA

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY

Dayton, Ohio

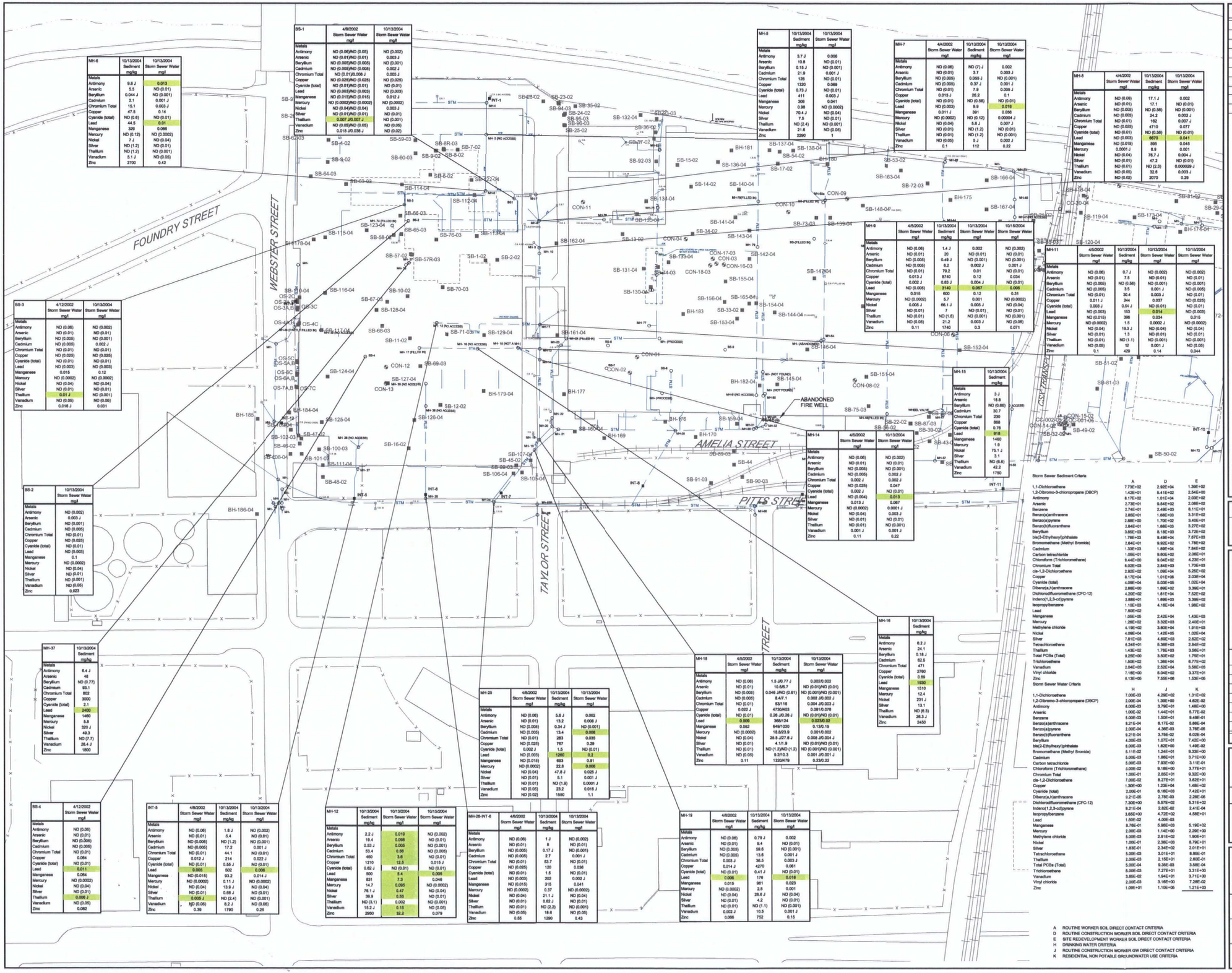
STORM SEWER AND SEDIMENT SAMPLING RESULTS - ORGANICS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager: IKR	Reviewed By: SE	Date: JUNE 2005	
Scale: 1"=80'	Project Nº: 12638-04	Report Nº: MEMO038	Drawing Nº: 1a

12638-04(MEMO038)GN-WA006 JUN 21/2005



Nº	Revision	Date	Initial

0 40 80ft

LEGEND
- BUILDING WALL
- FORMER BUILDING WALL
- SHORELINE
- RAILROAD
- STM STORM SEWER
- SOIL BORING LOCATION
- WIPE/CONCRETE CORE SAMPLE LOCATION
- MH-18 STORM SEWER MANHOLE LOCATION
- BSM-4 BASEMENT SUMP LOCATION

BS-4	4/12/2002 Storm Sewer Water mg/l	
VOAs		
1,1-Dichloroethene	ND (0.001)	
1,2-Dibromo-3-chloropropane (DBCP)	ND (0.002)	CONCENTRATION
1,2-Dibromoethane (Ethylene Dibromide)	ND (0.001)	
Benzene	ND (0.001)	
Bromomethane (Methyl Bromide)	ND (0.001)	
Carbon tetrachloride	ND (0.001)	
Chloroform (Trichloromethane)	ND (0.001)	
cis-1,2-Dichloroethene	ND (0.001)	
Dichlorodifluoromethane (CFC-12)	ND (0.001)	
Isopropylbenzene	ND (0.001)	
Methylene chloride	ND (0.005)	
Tetrachloroethene	0.003	
Trichloroethene	0.001 J	
Vinyl chloride	ND (0.001)	

SAMPLE LOCATION
SAMPLE DATE
SAMPLE MATRIX
RESULT UNIT
CONCENTRATION
PARAMETER
0.006 J [+5] EXCEEDS CRITERIA

NOTES:
1. SCREENING CRITERIA AND SAMPLE RESULTS ARE COMPARED TO TWO SIGNIFICANT DIGITS. RESULTS EQUAL TO SCREENING CRITERIA ARE NOT HIGHLIGHTED AS EXCEEDANCES.
2. PARAMETERS THAT DO NOT APPEAR IN THE DATABOX FOR A PARTICULAR SAMPLE WERE NOT ANALYZED.
3. EXCEEDANCES FOR EACH CONSTITUENT ARE BASED ON THE RATIOS OF SITE-RELATED CONCENTRATIONS TO SCREENING CRITERIA GREATER THAN 1.0. SITE-RELATED INORGANIC CONCENTRATIONS ARE THOSE IN EXCESS OF BACKGROUND LEVELS.

SCALE VERIFICATION

THIS BAR MEASURES 1" ON ORIGINAL. ADJUST SCALE ACCORDINGLY.

Approved

DRAWING STATUS

Status	Date	Initial

FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY

Dayton, Ohio

STORM SEWER AND SEDIMENT SAMPLING RESULTS - INORGANICS

CONESTOGA-ROVERS & ASSOCIATES

Source Reference:

Project Manager:	Reviewed By:	Date:	
IKR	SE	JUNE 2005	
Scale: 1"=80'	Project Nº: 12638-04	Report Nº: MEMO038	Drawing Nº: 1b

12638-04(MEMO038)GN-WA007 JUN 21/2005

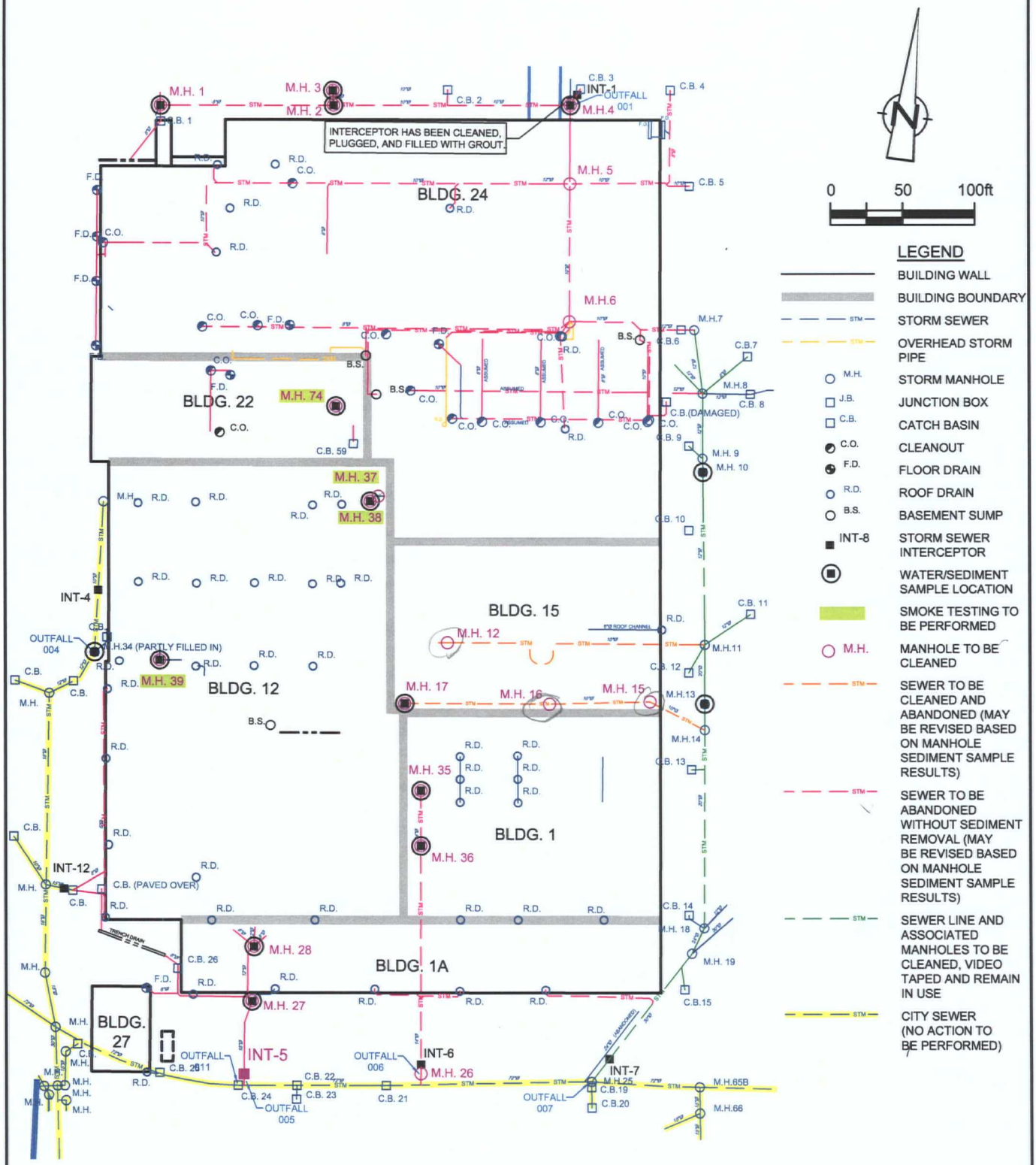


figure 2

PROPOSED STORM SEWER ABANDONMENT ACTIVITIES
FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY
Dayton, Ohio

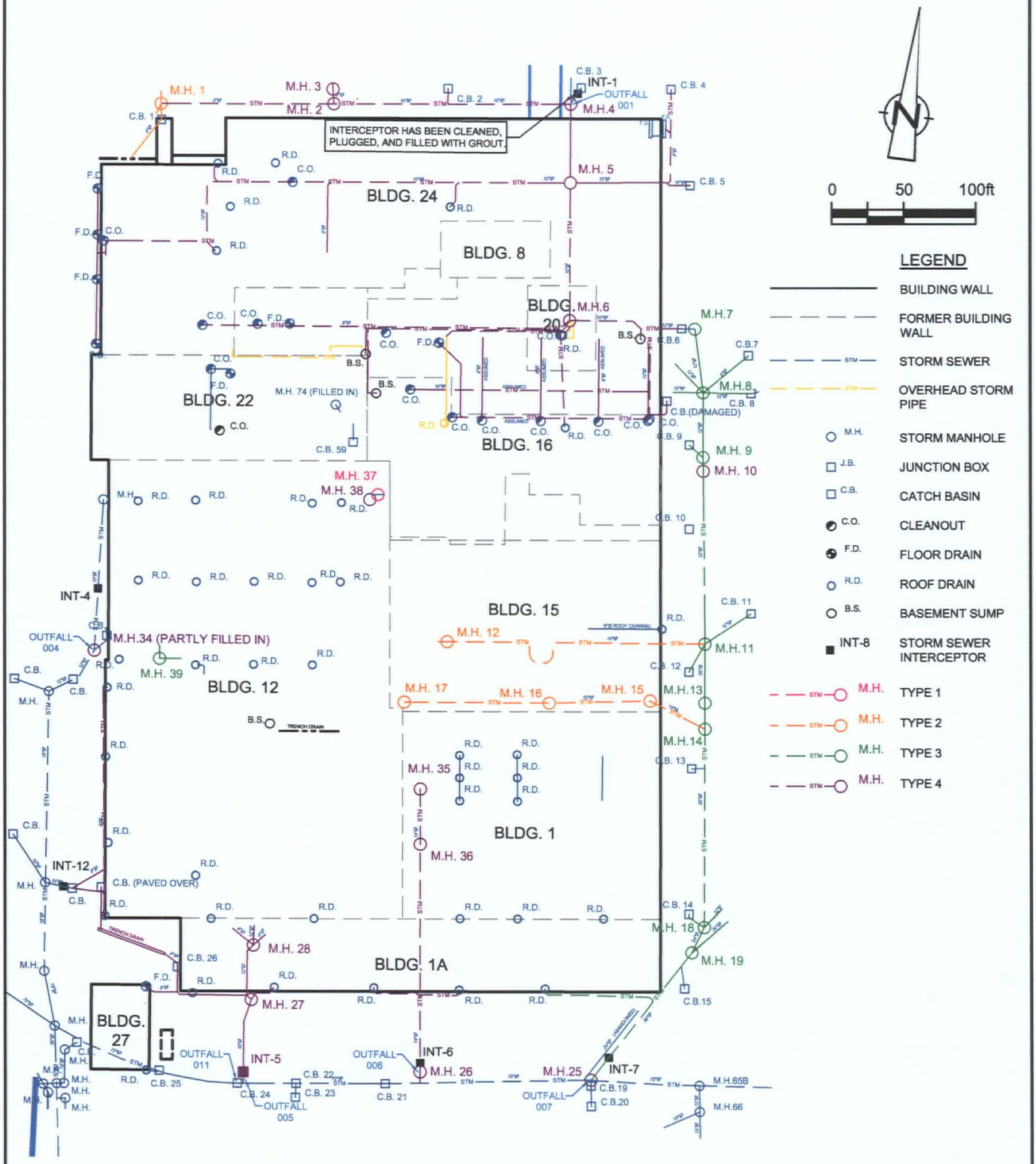


figure 3

STORM SEWER MATERIAL SEGREGATION
FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY
Dayton, Ohio

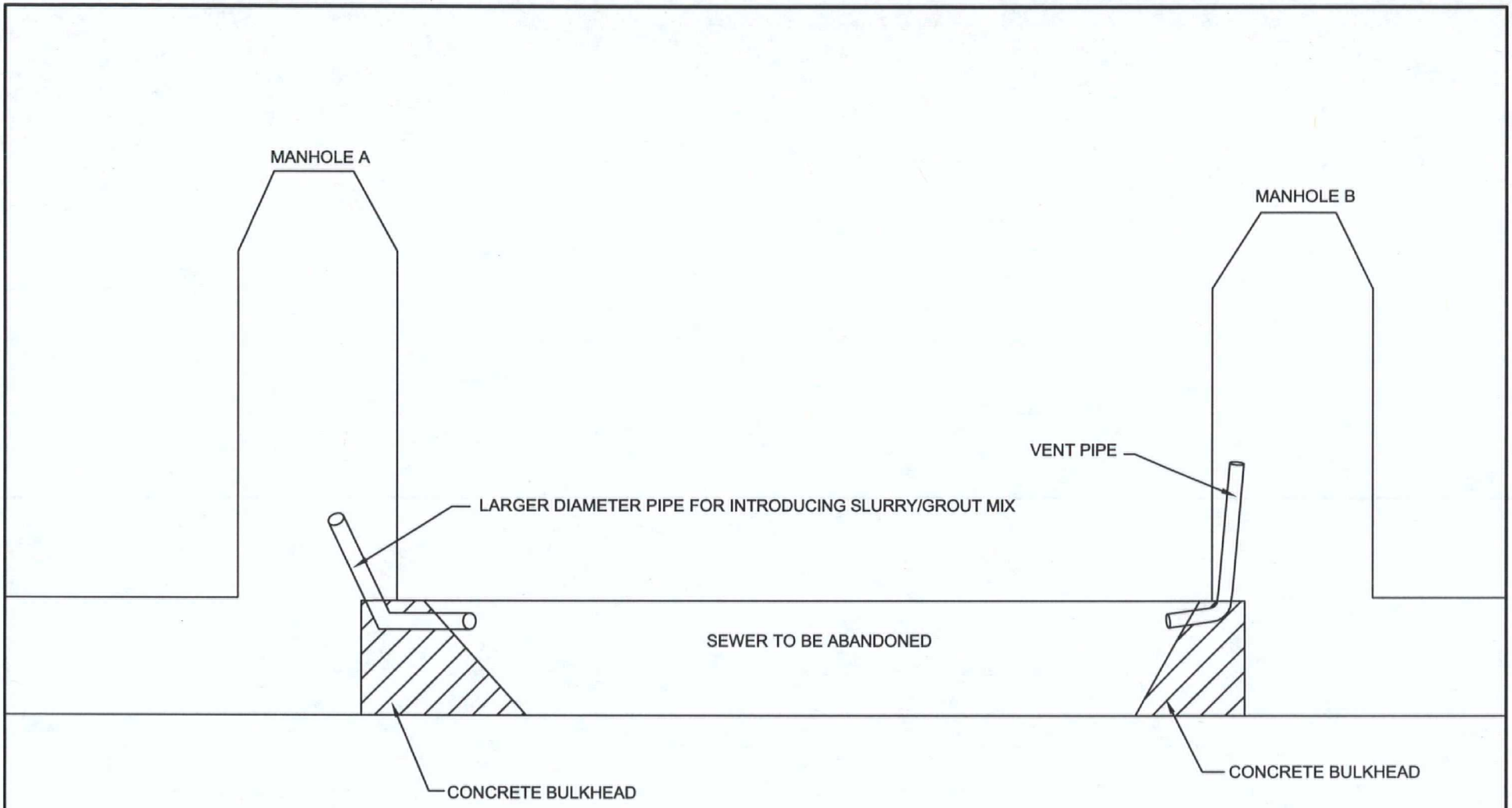


figure 4

ABANDONMENT OF A SECTION OF SEWER
FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY
Dayton, Ohio

12638-04(MEMO038)GN-WA002 MAY 09/2005

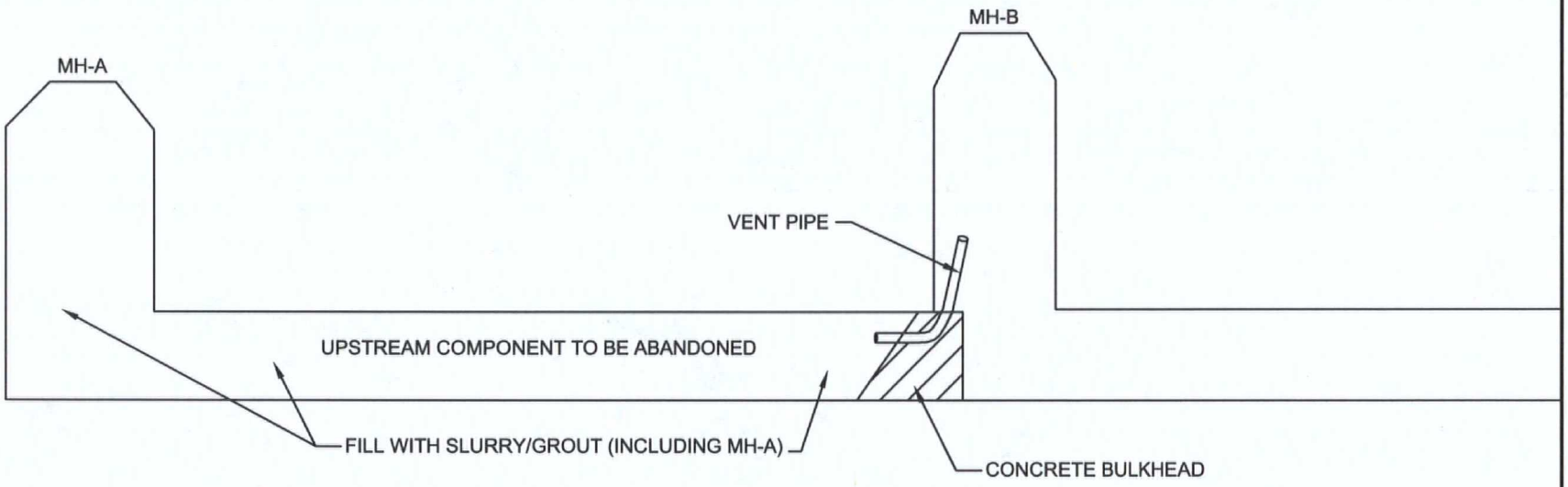


figure 5

ABANDONMENT OF END OF PIPE RUNS
FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY
Dayton, Ohio

ID	Task Name	Duration	Start	Finish
1	**Sewer Investigation (Webster-Taylor)**	**20 days**	**Mon 10/17/05**	**Fri 11/11/05**
2	Inspection & Sampling	10 days	Mon 10/17/05	Fri 10/28/05
3	Sample Analysis	5 days	Mon 10/31/05	Fri 11/4/05
4	Review Plan	5 days	Mon 11/7/05	Fri 11/11/05
5	**Manhole Cleaning**	**10 days**	**Mon 11/14/05**	**Fri 11/25/05**
6	Manhole Cleaning	5 days	Mon 11/14/05	Fri 11/18/05
7	Manhole Sample Analysis	5 days	Mon 11/21/05	Fri 11/25/05
8	Sewer Cleaning (Webster-Taylor)	5 days	Mon 11/28/05	Fri 12/2/05
9	Sewer Abandonment (Webster-Taylor)	5 days	Mon 12/5/05	Fri 12/9/05
10	Sewer Cleaning & Videotaping (Taylor)	5 days	Mon 12/12/05	Fri 12/16/05

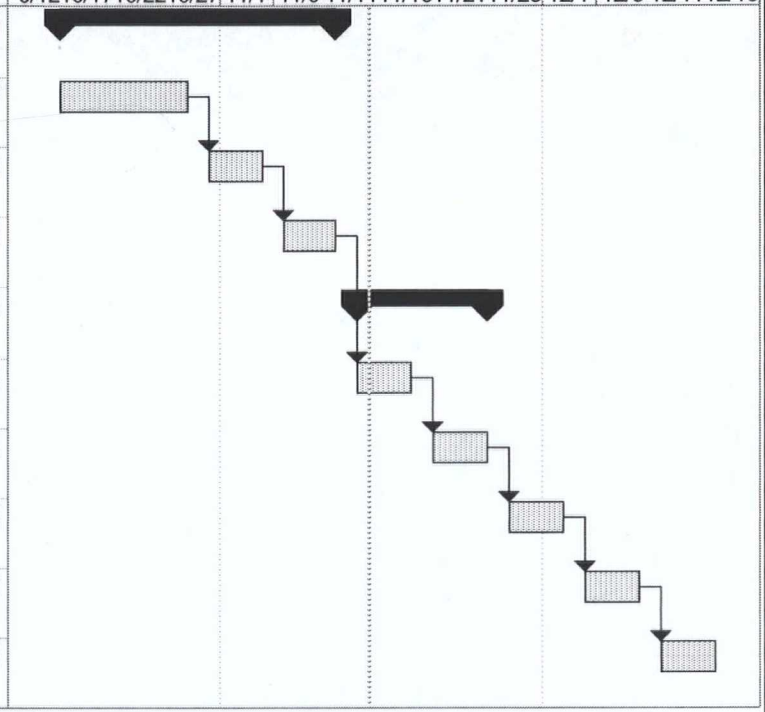


figure 6 PROPOSED SCHEDULE (REVISED)
FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY
Dayton, Ohio

Task
Split
Progress
Milestone
Summary
Project Summary
External Tasks
External Milestone
Deadline

TABLE 1a

ANALYTICAL RESULTS SUMMARY
DETECTED COMPOUNDS ONLY
STORM SEWER SEDIMENT
HARRISON DAYTON

Sample Location:							*INT-5*	*MH-26/INT-6*	*MH-26/INT-6*	*MH-5*	*MH-6*	*MH-7*
Sample ID:							*SESS-101304-NZ-001*	*SE-040802-SLE-008*	*SESS-101304-NZ-002*	*SESS-101304-NZ-018*	*SESS-101304-NZ-017*	*SE-040402-SLE-001*
Sample Date:							*10/13/2004*	*4/8/2002*	*10/13/2004*	*10/13/2004*	*10/13/2004*	*4/4/2002*
Parameters	***Units***	Routine Commercial / Industrial Worker Soil Direct Contact Criteria a	Site-Specific Commercial / Industrial Soil Volatilization to Indoor Air Criteria b	Soil Migration to Groundwater Criteria c	Site-Specific Routine Construction Worker Soil Contact Criteria d	Site-Specific Redevelopment Worker Soil Contact Criteria e						
Volatile Organic Compounds												
1,4-Dichlorobenzene	mg/kg	-	-	-	-	-	0.012 UJ	0.03 UJ	0.011 UJ	0.012 UJ	0.006 U	0.29 U
2-Butanone (Methyl Ethyl Ketone)	mg/kg	-	-	-	-	-	0.033 J	0.022 J	0.0057 J	0.048 U	0.024 U	1.1 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/kg	-	-	-	-	-	0.048 U	0.12 U	0.043 U	0.048 U	0.024 U	1.1 U
Acetone	mg/kg	-	-	-	-	-	0.12 J	0.089 J	0.021 J	0.048 UJ	0.024 UJ	1.1 U
Benzene	mg/kg	1.41E+01	2.33E-01	2.00E+00	8.35E+02	4.17E+01	0.012 U	0.03 U	0.00062 J	0.012 U	0.006 U	0.29 U
Carbon disulfide	mg/kg	-	-	-	-	-	0.012 U	0.03 U	0.011 U	0.012 U	0.006 U	0.29 U
Chloroform (Trichloromethane)	mg/kg	4.70E+00	8.41E-02	3.20E+01	2.76E+02	2.04E+01	0.012 U	0.03 U	0.011 U	0.012 U	0.006 U	0.29 U
cis-1,2-Dichloroethene	mg/kg	1.46E+02	2.00E+00	2.80E+01	3.39E+03	2.55E+01	0.012 U	0.015 U	0.0028 J	0.012 U	0.00092 J	0.14 U
Ethylbenzene	mg/kg	-	-	-	-	-	0.012 U	0.03 U	0.011 U	0.0033 J	0.006 U	0.29 U
Methyl acetate	mg/kg	-	-	-	-	-	0.024 U	0.061 U	0.022 U	0.024 U	0.012 U	0.066 J
Methyl cyclohexane	mg/kg	-	-	-	-	-	0.024 U	0.061 U	0.022 U	0.024 U	0.012 U	0.57 U
Methylene chloride	mg/kg	2.05E+02	2.70E+00	2.00E+00	1.07E+04	8.23E+02	0.012 U	0.03 U	0.011 U	0.012 U	0.006 U	0.29 U
Tetrachloroethene	mg/kg	1.31E+01	4.56E-01	2.00E+00	2.00E+03	1.55E+02	0.012 U	0.03 U	0.011 U	0.052	0.006 U	0.43
Toluene	mg/kg	-	-	-	-	-	0.042	0.03 U	0.0038 J	0.012 U	0.006 U	0.29 U
trans-1,2-Dichloroethene	mg/kg	-	-	-	-	-	0.012 U	0.015 U	0.011 U	0.012 U	0.006 U	0.14 U
Trichloroethene	mg/kg	6.12E+01	1.51E+00	2.00E+00	4.75E+03	3.60E+02	0.0019 J	0.03 U	0.0026 J	0.0025 J	0.00096 J	0.29 U
Xylene (total)	mg/kg	-	-	-	-	-	0.024 U	0.061 U	0.0018 J	0.014 J	0.012 U	0.57 U
Semi Volatile Organic Compounds												
2-Methylnaphthalene	mg/kg	-	-	-	-	-	130 U	1.1 U	0.57 J	5 J	0.85 J	0.4 U
Acenaphthene	mg/kg	-	-	-	-	-	130 U	0.24 J	1 J	21 J	2.6 J	0.4 U
Acenaphthylene	mg/kg	-	-	-	-	-	130 U	1.1 U	7.1 U	40 U	10 U	0.4 U
Anthracene	mg/kg	-	-	-	-	-	130 U	0.8 J	2 J	29 J	2.6 J	0.4 U
Benzo(a)anthracene	mg/kg	2.11E+01	8.53E+04	-	1.67E+03	4.52E+02	130 U	3	7.1	33 J*	7 J	0.15 J
Benzo(a)pyrene	mg/kg	2.11E+00	1.53E+05	-	1.70E+02	4.72E+01	130 U	3.9*	7.2*	27 J*	6.6 J*	0.19 J
Benzo(b)fluoranthene	mg/kg	2.11E+01	8.13E+03	-	1.65E+03	4.28E+02	9.6 J	4.3	11	39 J*	9 J	0.24 J
Benzo(g,h,i)perylene	mg/kg	-	-	-	-	-	130 U	2.4	5.3 J	15 J	4.1 J	0.11 J
Benzo(k)fluoranthene	mg/kg	-	-	-	-	-	130 U	2.8	3 J	12 J	3.9 J	0.16 J
bis(2-Ethylhexyl)phthalate	mg/kg	1.23E+03	5.56E+09	3.62E+03	9.49E+04	1.07E+04	130 U	7.8	2.4 J	9.6 J	10 U	0.19 J
Butyl benzylphthalate	mg/kg	-	-	-	-	-	130 U	1.1 U	7.1 U	5 J	10 U	0.4 U
Caprolactam	mg/kg	-	-	-	-	-	130 U	1.1 U	7.1 U	40 U	10 U	0.4 UJ
Carbazole	mg/kg	-	-	-	-	-	130 U	0.61 J	1.5 J	17 J	3.2 J	0.4 U
Chrysene	mg/kg	-	-	-	-	-	6.3 J	3.9	7.7	35 J	7.8 J	0.21 J
Dibenz(a,h)anthracene	mg/kg	2.11E+00	1.84E+07	1.40E+01	1.70E+02	4.74E+01	130 U	0.7 J	1.1 J	3 J*	1.2 J	0.4 U
Dibenzofuran	mg/kg	-	-	-	-	-	130 U	1.1 U	0.55 J	14 J	1.9 J	0.4 U
Di-n-butylphthalate	mg/kg	-	-	-	-	-	130 U	1.1 U	7.1 U	40 U	10 U	0.4 U
Di-n-octyl phthalate	mg/kg	-	-	-	-	-	130 U	1.1 U	7.1 U	40 U	10 U	0.4 U
Fluoranthene	mg/kg	-	-	-	-	-	130 U	7.7	17	110	23	0.37 J
Fluorene	mg/kg	-	-	-	-	-	130 U	0.23 J	1.1 J	22 J	2.9 J	0.4 U
Indeno(1,2,3-cd)pyrene	mg/kg	2.11E+01	1.60E+06	-	1.70E+03	4.75E+02	130 U	2.4	4.5 J	14 J	3.6 J	0.1 J
Naphthalene	mg/kg	-	-	-	-	-	130 U	1.1 U	7.1 U	7 J	1.5 J	0.4 U
Phenanthrene	mg/kg	-	-	-	-	-	130 U	4	10	130	23	0.18 J

TABLE 1a

ANALYTICAL RESULTS SUMMARY
DETECTED COMPOUNDS ONLY
STORM SEWER SEDIMENT
HARRISON DAYTON

Sample Location:							*INT-5*	*MH-26/INT-6*	*MH-26/INT-6*	*MH-5*	*MH-6*	*MH-7*
Sample ID:							*SESS-101304-NZ-001*	*SE-040802-SLE-008*	*SESS-101304-NZ-002*	*SESS-101304-NZ-018*	*SESS-101304-NZ-017*	*SE-040402-SLE-001*
Sample Date:							*10/13/2004*	*4/8/2002*	*10/13/2004*	*10/13/2004*	*10/13/2004*	*4/4/2002*
Parameters	***Units***	Routine Commercial / Industrial Worker Soil Direct Contact Criteria a	Site-Specific Commercial / Industrial Soil Volatilization to Indoor Air Criteria b	Soil Migration to Groundwater Criteria c	Site-Specific Routine Construction Worker Soil Contact Criteria d	Site-Specific Redevelopment Worker Soil Contact Criteria e						
Phenol	mg/kg	-	-	-	-	-	130 U	1.1 U	7.1 U	40 U	10 U	0.4 U
Pyrene	mg/kg	-	-	-	-	-	7.8 J	6.2	14	77	16	0.28 J
Metals												
Antimony	mg/kg	4.09E+02	-	5.42E+00	1.02E+04	2.84E+02	1.8 J	2.0 J	1.0 J	3.7 J	9.8 J*	7.3 U
Arsenic	mg/kg	1.59E+01	-	2.92E+01	9.54E+02	2.88E+02	5.4	8.3	8.0	10.8	5.5	7.0
Barium	mg/kg	-	-	-	-	-	36.4 J	121	88.7	352	25.3	39.0
Beryllium	mg/Kg	1.94E+03	-	6.32E+01	1.42E+04	1.42E+03	1.2 U	0.59 J	0.17 J	0.15 J	0.044 J	0.61 U
Cadmium	mg/kg	4.51E+02	-	7.52E+00	1.89E+04	6.27E+02	17.2*	6.0	2.7	21.9*	2.1	0.54 J
Chromium Total	mg/Kg	6.40E+02	-	4.00E+01	2.84E+03	2.37E+03	44.1*	126*	53.7*	128*	15.1	12.4
Cobalt	mg/kg	-	-	-	-	-	3.8 J	8.7 J	5.4 J	12.7	2.7 J	2.8 J
Copper	mg/Kg	4.09E+04	-	9.15E+02	1.02E+06	2.84E+04	214	185	120	1320*	47.5	27.0
Cyanide (total)	mg/kg	-	-	-	-	-	0.55 J	6.5	1.5	0.73 J	0.60 U	0.61 U
Lead	mg/Kg	-	-	2.70E+02	-	-	502*	343*	202	411*	44.5	10.8
Manganese	mg/kg	1.95E+04	-	1.14E+03	3.58E+06	9.94E+04	93.2	280	315	308	329	619
Mercury	mg/kg	1.36E+01	3.82E+01	4.00E+01	1.63E+03	1.43E+01	0.11 J	0.53	0.37	0.98	0.12 U	0.17
Nickel	mg/kg	2.04E+04	-	1.30E+02	1.42E+05	1.42E+04	13.9 J	28.6	21.1 J	70.4 J	7.0 J	8.5
Selenium	mg/kg	-	-	-	-	-	0.81 J	2.9	1.3 U	5.1	0.60 U	0.61 U
Silver	mg/kg	5.11E+03	-	7.30E+01	1.28E+05	3.55E+03	0.68 J	0.81 J	0.62 J	7.5	1.2 U	1.2 U
Thallium	mg/kg	6.75E+01	-	2.85E+00	1.79E+03	4.97E+01	2.4 U	2.5 U	2.2 U	2.4 U	1.2 U	2.4 U
Vanadium	mg/kg	1.02E+03	-	7.30E+02	1.79E+05	4.97E+03	8.2 J	24.9	18.6	21.6	5.1 J	15.9
Zinc	mg/Kg	3.06E+05	-	1.36E+04	7.67E+06	2.13E+05	1790	2410	1290	2290	2700	73.2
PCBs												
Aroclor-1242 (PCB-1242)	mg/kg	7.44E+00	3.19E+02	6.18E+00	3.50E+02	2.43E+01	0.08 U	0.083 U	0.071 U	1.6 U	0.04 U	0.04 U
Aroclor-1248 (PCB-1248)	mg/kg	7.44E+00	3.19E+02	6.18E+00	3.50E+02	2.43E+01	0.08 U	0.083 U	0.071 U	13*	0.04 U	0.04 U
Aroclor-1254 (PCB-1254)	mg/kg	7.44E+00	3.19E+02	6.18E+00	3.50E+02	2.43E+01	0.08 U	0.28	0.12	1.6 U	0.19 J	0.18
Aroclor-1260 (PCB-1260)	mg/kg	7.44E+00	3.19E+02	6.18E+00	3.50E+02	2.43E+01	0.42	0.083 U	0.071 U	1.6 U	0.04 U	0.04 U
General Chemistry												
Total Solids	%	-	-	-	-	-	41.5	39.7	46.4	41.4	82.8	82.2

Notes:
U - Not present at or above the associated value.
J - Estimated concentration.
UJ - Estimated reporting limit.
R - Rejected.

TABLE 1a

ANALYTICAL RESULTS SUMMARY
DETECTED COMPOUNDS ONLY
STORM SEWER SEDIMENT
HARRISON DAYTON

Sample Location:							*MH-7*	*MH-8*	*MH-8*	*MH-9*	*MH-9*	*MH-11*
Sample ID:							*SESS-101304-NZ-016*	*SE-040402-SLE-002*	*SESS-101304-NZ-013*	*SE-040502-SLE-003*	*SESS-101304-NZ-012*	*SE-040502-SLE-004*
Sample Date:							*10/13/2004*	*4/4/2002*	*10/13/2004*	*4/5/2002*	*10/13/2004*	*4/5/2002*
Parameters	*Units*	Routine Commercial / Industrial Worker Soil Direct Contact Criteria a	Site-Specific Commercial / Industrial Soil Volatilization to Indoor Air Criteria b	Soil Migration to Groundwater Criteria c	Site-Specific Routine Construction Worker Soil Contact Criteria d	Site-Specific Redevelopment Worker Soil Contact Criteria e						
Volatile Organic Compounds												
1,4-Dichlorobenzene	mg/kg	-	-	-	-	-	0.0058 U	0.0011 J	0.0058 U	0.48 U	0.0082 UJ	0.0065 U
2-Butanone (Methyl Ethyl Ketone)	mg/kg	-	-	-	-	-	0.023 U	0.028 U	0.023 U	1.9 U	0.033 U	0.026 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/kg	-	-	-	-	-	0.023 U	0.028 U	0.023 U	1.9 U	0.033 U	0.026 U
Acetone	mg/kg	-	-	-	-	-	0.023 UJ	0.028 UJ	0.023 UJ	1.9 U	0.0094 J	0.026 UJ
Benzene	mg/kg	1.41E+01	2.33E-01	2.00E+00	8.35E+02	4.17E+01	0.0058 U	0.0069 U	0.0058 U	0.48 U	0.0082 U	0.0065 U
Carbon disulfide	mg/kg	-	-	-	-	-	0.0058 U	0.0069 U	0.0058 U	0.48 U	0.0082 U	0.0065 U
Chloroform (Trichloromethane)	mg/kg	4.70E+00	8.41E-02	3.20E+01	2.76E+02	2.04E+01	0.0058 U	0.0069 U	0.0058 U	0.48 U	0.0082 U	0.0065 U
cis-1,2-Dichloroethene	mg/kg	1.46E+02	2.00E+00	2.80E+01	3.39E+03	2.55E+01	0.0058 U	0.0035 U	0.0058 U	0.24 U	0.0073 J	0.0028 J
Ethylbenzene	mg/kg	-	-	-	-	-	0.0058 U	0.0069 U	0.0058 U	0.48 U	0.0082 U	0.0065 U
Methyl acetate	mg/kg	-	-	-	-	-	0.012 U	0.014 U	0.012 U	0.42 J	0.016 U	0.013 U
Methyl cyclohexane	mg/kg	-	-	-	-	-	0.012 U	0.014 U	0.012 U	0.97 U	0.016 U	0.013 U
Methylene chloride	mg/kg	2.05E+02	2.70E+00	2.00E+00	1.07E+04	8.23E+02	0.0058 U	0.0069 U	0.0058 U	0.48 U	0.0057 J	0.0065 U
Tetrachloroethene	mg/kg	1.31E+01	4.56E-01	2.00E+00	2.00E+03	1.55E+02	0.0058 U	0.036	0.0082	3.7*	0.13	0.02
Toluene	mg/kg	-	-	-	-	-	0.0058 U	0.0069 U	0.0058 U	0.48 U	0.0082 U	0.0065 U
trans-1,2-Dichloroethene	mg/kg	-	-	-	-	-	0.0058 U	0.0035 U	0.0058 U	0.24 U	0.0082 U	0.0032 U
Trichloroethene	mg/kg	6.12E+01	1.51E+00	2.00E+00	4.75E+03	3.60E+02	0.0058 U	0.0069 U	0.0058 U	0.076 J	0.012	0.0029 J
Xylene (total)	mg/kg	-	-	-	-	-	0.012 U	0.014 U	0.012 U	0.97 U	0.016 U	0.013 U
Semi Volatile Organic Compounds												
2-Methylnaphthalene	mg/kg	-	-	-	-	-	3.9 U	0.27 J	0.1 J	1.6 U	27 U	-
Acenaphthene	mg/kg	-	-	-	-	-	3.9 U	0.56 J	0.37 J	1.6 U	27 U	-
Acenaphthylene	mg/kg	-	-	-	-	-	3.9 U	0.79 U	0.13 J	1.6 U	27 U	-
Anthracene	mg/kg	-	-	-	-	-	0.38 J	0.67 J	0.56 J	0.3 J	27 U	-
Benzo(a)anthracene	mg/kg	2.11E+01	8.53E+04	-	1.67E+03	4.52E+02	0.7 J	1.3	1.6	0.86 J	27 U	-
Benzo(a)pyrene	mg/kg	2.11E+00	1.53E+05	-	1.70E+02	4.72E+01	0.79 J	1.2	1.6	0.87 J	27 U	-
Benzo(b)fluoranthene	mg/kg	2.11E+01	8.13E+03	-	1.65E+03	4.28E+02	1.3 J	1.7	3.1	1 J	2.1 J	-
Benzo(g,h,i)perylene	mg/kg	-	-	-	-	-	0.83 J	0.48 J	0.93 J	0.7 J	27 U	-
Benzo(k)fluoranthene	mg/kg	-	-	-	-	-	0.44 J	0.79	0.49 J	0.6 J	27 U	-
bis(2-Ethylhexyl)phthalate	mg/kg	1.23E+03	5.56E+09	3.62E+03	9.49E+04	1.07E+04	1.3 J	4.7	2.9	0.38 J	12 J	-
Butyl benzylphthalate	mg/kg	-	-	-	-	-	1.4 J	5.6	1.4 U	0.27 J	18 J	-
Caprolactam	mg/kg	-	-	-	-	-	3.9 U	0.79 UJ	1.4 U	1.6 U	27 U	-
Carbazole	mg/kg	-	-	-	-	-	3.9 U	0.78 J	0.52 J	0.29 J	27 U	-
Chrysene	mg/kg	-	-	-	-	-	0.95 J	1.6	1.8	1.1 J	1.8 J	-
Dibenz(a,h)anthracene	mg/kg	2.11E+00	1.84E+07	1.40E+01	1.70E+02	4.74E+01	3.9 U	0.15 J	0.25 J	1.6 U	27 U	-
Dibenzofuran	mg/kg	-	-	-	-	-	3.9 U	0.68 J	0.21 J	1.6 U	27 U	-
Di-n-butylphthalate	mg/kg	-	-	-	-	-	3.9 U	0.79 U	1.4 U	1.6 U	27 U	-
Di-n-octyl phthalate	mg/kg	-	-	-	-	-	3.9 U	1.4	1.4 U	1.6 U	7.1 J	-
Fluoranthene	mg/kg	-	-	-	-	-	1.7 J	3.9	4.6	2.2	2.5 J	-
Fluorene	mg/kg	-	-	-	-	-	3.9 U	0.64 J	0.37 J	1.6 U	27 U	-
Indeno(1,2,3-cd)pyrene	mg/kg	2.11E+01	1.60E+06	-	1.70E+03	4.75E+02	0.6 J	0.53 J	0.83 J	0.61 J	27 U	-
Naphthalene	mg/kg	-	-	-	-	-	3.9 U	1.1	1.4 U	1.6 U	27 U	-
Phenanthrene	mg/kg	-	-	-	-	-	1.2 J	6	3.5	2	27 U	-

TABLE 1a

ANALYTICAL RESULTS SUMMARY
DETECTED COMPOUNDS ONLY
STORM SEWER SEDIMENT
HARRISON DAYTON

Sample Location:							***MH-7***	***MH-8***	***MH-8***	***MH-9***	***MH-9***	***MH-11***
Sample ID:							***SESS-101304-NZ-016***	***SE-040402-SLE-002***	***SESS-101304-NZ-013***	***SE-040502-SLE-003***	***SESS-101304-NZ-012***	***SE-040502-SLE-004***
Sample Date:							***10/13/2004***	***4/4/2002***	***10/13/2004***	***4/5/2002***	***10/13/2004***	***4/5/2002***
Parameters	***Units***	Routine Commercial / Industrial Worker Soil Direct Contact Criteria a	Site-Specific Commercial / Industrial Soil Volatilization to Indoor Air Criteria b	Soil Migration to Groundwater Criteria c	Site-Specific Routine Construction Worker Soil Contact Criteria d	Site-Specific Redevelopment Worker Soil Contact Criteria e						
Phenol	mg/kg	-	-	-	-	-	3.9 U	0.79 U	0.17 J	1.6 U	27 U	-
Pyrene	mg/kg	-	-	-	-	-	1.4 J	3.7	3	1.8 J	2.7 J	-
Metals												
Antimony	mg/kg	4.09E+02	-	5.42E+00	1.02E+04	2.84E+02	7.0 UJ	0.59 J	17.1 J*	7.1 UJ	1.4 J	7.8 U
Arsenic	mg/kg	1.59E+01	-	2.92E+01	9.54E+02	2.88E+02	3.7	6.5	17.1*	4.9 J	20.0*	3.9
Barium	mg/kg	-	-	-	-	-	33.7	41.6	190	88.7	327	117
Beryllium	mg/Kg	1.94E+03	-	6.32E+01	1.42E+04	1.42E+03	0.055 J	0.60 U	0.58 U	0.59 U	0.49 J	0.65 U
Cadmium	mg/Kg	4.51E+02	-	7.52E+00	1.89E+04	6.27E+02	0.37 J	4.1	24.2*	4.9	8.2*	5.0
Chromium Total	mg/Kg	6.40E+02	-	4.00E+01	2.84E+03	2.37E+03	7.9	33.4	162*	17.6	79.2*	14.5
Cobalt	mg/kg	-	-	-	-	-	2.7 J	7.3	69.8	4.8 J	27.9	5.7 J
Copper	mg/Kg	4.09E+04	-	9.15E+02	1.02E+06	2.84E+04	26.2	153	4710*	191	8740*	126
Cyanide (total)	mg/kg	-	-	-	-	-	0.58 U	0.29 J	0.58 U	0.59 U	0.63 J	0.36 J
Lead	mg/Kg	-	-	2.70E+02	-	-	9.9	37.7	6670*	62.9	3140*	60.7
Manganese	mg/kg	1.95E+04	-	1.14E+03	3.58E+06	9.94E+04	391	596	595	513 J	600	248
Mercury	mg/kg	1.36E+01	3.82E+01	4.00E+01	1.63E+03	1.43E+01	0.12 U	2.0	8.9	0.63	5.7	0.81
Nickel	mg/kg	2.04E+04	-	1.30E+02	1.42E+05	1.42E+04	5.6 J	21.3	76.7 J	7.5 J	66.1 J	15.8
Selenium	mg/kg	-	-	-	-	-	0.58 U	0.6 U	1.6	0.59 U	2.0	0.65 U
Silver	mg/kg	5.11E+03	-	7.30E+01	1.28E+05	3.55E+03	1.2 U	2.7	47.2	0.28 J	7.0	1.3 U
Thallium	mg/kg	6.75E+01	-	2.85E+00	1.79E+03	4.97E+01	1.2 U	2.2 U	2.3 U	1.7 U	1.6 U	1.3 U
Vanadium	mg/kg	1.02E+03	-	7.30E+02	1.79E+05	4.97E+03	5.0 J	6.1	32.6	5.5 J	21.2	10.7
Zinc	mg/Kg	3.06E+05	-	1.36E+04	7.67E+06	2.13E+05	112	194	2070	249 J	1740	411 J
PCBs												
Aroclor-1242 (PCB-1242)	mg/kg	7.44E+00	3.19E+02	6.18E+00	3.50E+02	2.43E+01	0.039 U	0.039 U	0.077 U	0.2 U	1.4	-
Aroclor-1248 (PCB-1248)	mg/kg	7.44E+00	3.19E+02	6.18E+00	3.50E+02	2.43E+01	0.039 U	0.039 U	0.077 U	0.2 U	0.54 U	-
Aroclor-1254 (PCB-1254)	mg/kg	7.44E+00	3.19E+02	6.18E+00	3.50E+02	2.43E+01	0.27	0.24	0.92 J	1.1	4.6	-
Aroclor-1260 (PCB-1260)	mg/kg	7.44E+00	3.19E+02	6.18E+00	3.50E+02	2.43E+01	0.039 U	0.039 U	0.077 U	0.2 U	0.54 U	-
General Chemistry												
Total Solids	%	-	-	-	-	-	85.6	83.9	85.5	84.6	61.2	77.1

Notes:
U - Not present at or above the associated value.
J - Estimated concentration.
UJ - Estimated reporting limit.
R - Rejected.

TABLE 1a

ANALYTICAL RESULTS SUMMARY
DETECTED COMPOUNDS ONLY
STORM SEWER SEDIMENT
HARRISON DAYTON

Sample Location:							*MH-11*	*MH-12*	*MH-14*	*MH-15*	*MH-16*	*MH-18*
Sample ID:							*SESS-101304-NZ-011*	*SESS-101304-NZ-010*	*SE-040502-SLE-005*	*SESS-101304-NZ-008*	*SESS-101304-NZ-009*	*SE-040502-SLE-006*
Sample Date:							*10/13/2004*	*10/13/2004*	*4/5/2002*	*10/13/2004*	*10/13/2004*	*4/5/2002*
Parameters	*Units*	Routine Commercial / Industrial Worker Soil Direct Contact Criteria a	Site-Specific Commercial / Industrial Soil Volatilization to Indoor Air Criteria b	Soil Migration to Groundwater Criteria c	Site-Specific Routine Construction Worker Soil Contact Criteria d	Site-Specific Redevelopment Worker Soil Contact Criteria e						
Volatile Organic Compounds												
1,4-Dichlorobenzene	mg/kg	-	-	-	-	-	0.028 UJ	0.0079 U	0.0069 U	0.0066 UJ	0.0063 U	0.67 U
2-Butanone (Methyl Ethyl Ketone)	mg/kg	-	-	-	-	-	0.11 U	0.031 U	0.028 U	0.027 U	0.025 U	2.7 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/kg	-	-	-	-	-	0.0097 J	0.031 U	0.028 U	0.027 U	0.025 U	2.7 U
Acetone	mg/kg	-	-	-	-	-	0.044 J	0.031 UJ	0.028 UJ	0.027 UJ	0.025 UJ	2.7 U
Benzene	mg/kg	1.41E+01	2.33E-01	2.00E+00	8.35E+02	4.17E+01	0.028 U	0.0079 U	0.0069 U	0.0066 U	0.0063 U	0.67 U
Carbon disulfide	mg/kg	-	-	-	-	-	0.0084 J	0.0079 U	0.0069 U	0.0066 U	0.0063 U	0.67 U
Chloroform (Trichloromethane)	mg/kg	4.70E+00	8.41E-02	3.20E+01	2.76E+02	2.04E+01	0.028 U	0.0079 U	0.0069 U	0.0066 U	0.0063 U	0.67 U
cis-1,2-Dichloroethene	mg/kg	1.46E+02	2.00E+00	2.80E+01	3.39E+03	2.55E+01	0.23	0.0079 U	0.7	0.0066 U	0.0063 U	0.22 J
Ethylbenzene	mg/kg	-	-	-	-	-	0.028 U	0.0036 J	0.0069 U	0.0066 U	0.0063 U	0.67 U
Methyl acetate	mg/kg	-	-	-	-	-	0.056 U	0.016 U	0.014 U	0.013 U	0.013 U	1.3 U
Methyl cyclohexane	mg/kg	-	-	-	-	-	0.056 U	0.016 U	0.014 U	0.013 U	0.013 U	1.3 U
Methylene chloride	mg/kg	2.05E+02	2.70E+00	2.00E+00	1.07E+04	8.23E+02	0.028 U	0.0043 J	0.0069 U	0.0073	0.0044 J	0.67 U
Tetrachloroethene	mg/kg	1.31E+01	4.56E-01	2.00E+00	2.00E+03	1.55E+02	0.55[a]	0.0037 J	1.7[a]	0.0017 J	0.0063 U	5.6[a]
Toluene	mg/kg	-	-	-	-	-	0.0047 J	0.0013 J	0.0069 U	0.0066 U	0.0063 U	0.67 U
trans-1,2-Dichloroethene	mg/kg	-	-	-	-	-	0.028 U	0.0079 U	0.0027 J	0.0066 U	0.0063 U	0.34 U
Trichloroethene	mg/kg	6.12E+01	1.51E+00	2.00E+00	4.75E+03	3.60E+02	0.13	0.01	0.33 J	0.0066 U	0.0063 U	0.81
Xylene (total)	mg/kg	-	-	-	-	-	0.056 U	0.019	0.014 U	0.013 U	0.013 U	1.3 U
Semi Volatile Organic Compounds												
2-Methylnaphthalene	mg/kg	-	-	-	-	-	1.4 J	0.47 J	0.39 U	52 U	5.2 U	0.3 J
Acenaphthene	mg/kg	-	-	-	-	-	19 U	1.1 J	0.11 J	52 U	5.2 U	0.99 J
Acenaphthylene	mg/kg	-	-	-	-	-	19 U	6.5 U	0.39 U	52 U	5.2 U	1.9 U
Anthracene	mg/kg	-	-	-	-	-	19 U	2 J	0.39	52 U	0.65 J	2.4
Benzo(a)anthracene	mg/kg	2.11E+01	8.53E+04	-	1.67E+03	4.52E+02	19 U	8.3	0.83	4.2 J	2.8 J	4.6
Benzo(a)pyrene	mg/kg	2.11E+00	1.53E+05	-	1.70E+02	4.72E+01	19 U	9[a]	0.9	3.8 J[a]	3 J[a]	4.3[a]
Benzo(b)fluoranthene	mg/kg	2.11E+01	8.13E+03	-	1.65E+03	4.28E+02	19 U	13	0.98	7.6 J	4.3 J	5.2
Benzo(g,h,i)perylene	mg/kg	-	-	-	-	-	19 U	7.2	0.76	6.9 J	6.6	3
Benzo(k)fluoranthene	mg/kg	-	-	-	-	-	19 U	3.7 J	0.5	3.2 J	1.4 J	2.6
bis(2-Ethylhexyl)phthalate	mg/kg	1.23E+03	5.56E+09	3.62E+03	9.49E+04	1.07E+04	7.5 J	3.1 J	0.72	220	13	3.9
Butyl benzylphthalate	mg/kg	-	-	-	-	-	19 U	6.5 U	0.39 U	52 U	5.2 U	0.32 J
Caprolactam	mg/kg	-	-	-	-	-	19 U	6.5 U	0.39 U	52 U	5.2 U	1.9 U
Carbazole	mg/kg	-	-	-	-	-	19 U	1.4 J	0.096 J	52 U	0.29 J	1.8 J
Chrysene	mg/kg	-	-	-	-	-	0.86 J	8.7	0.86	5.2 J	3.1 J	5.3
Dibenz(a,h)anthracene	mg/kg	2.11E+00	1.84E+07	1.40E+01	1.70E+02	4.74E+01	19 U	1.5 J	0.17 J	52 U	1 J	0.93 J
Dibenzofuran	mg/kg	-	-	-	-	-	19 U	0.42 J	0.069 J	52 U	5.2 U	0.82 J
Di-n-butylphthalate	mg/kg	-	-	-	-	-	3.9 J	6.5 U	0.39 U	52 U	5.2 U	1.9 U
Di-n-octyl phthalate	mg/kg	-	-	-	-	-	2.4 J	6.5 U	0.39 U	52 U	5.2 U	1.9 U
Fluoranthene	mg/kg	-	-	-	-	-	1.3 J	22	1.9	6.2 J	3.3 J	11
Fluorene	mg/kg	-	-	-	-	-	2.1 J	0.91 J	0.15 J	52 U	5.2 U	1.5 J
Indeno(1,2,3-cd)pyrene	mg/kg	2.11E+01	1.60E+06	-	1.70E+03	4.75E+02	19 U	6 J	0.66	4 J	3.6 J	2.8
Naphthalene	mg/kg	-	-	-	-	-	19 U	6.5 U	0.39 U	52 U	5.2 U	0.51 J
Phenanthrene	mg/kg	-	-	-	-	-	5.6 J	11	1.4	52 U	1.5 J	9.6

TABLE 1a

ANALYTICAL RESULTS SUMMARY
DETECTED COMPOUNDS ONLY
STORM SEWER SEDIMENT
HARRISON DAYTON

Sample Location:							*MH-11*	*MH-12*	*MH-14*	*MH-15*	*MH-16*	*MH-18*
Sample ID:							*SESS-101304-NZ-011*	*SESS-101304-NZ-010*	*SE-040502-SLE-005*	*SESS-101304-NZ-008*	*SESS-101304-NZ-009*	*SE-040502-SLE-006*
Sample Date:							*10/13/2004*	*10/13/2004*	*4/5/2002*	*10/13/2004*	*10/13/2004*	*4/5/2002*
Parameters	*Units*	Routine Commercial / Industrial Worker Soil Direct Contact Criteria a	Site-Specific Commercial / Industrial Soil Volatilization to Indoor Air Criteria b	Soil Migration to Groundwater Criteria c	Site-Specific Routine Construction Worker Soil Contact Criteria d	Site-Specific Redevelopment Worker Soil Contact Criteria e						
Phenol	mg/kg	-	-	-	-	-	19 U	6.5 U	0.39 U	52 U	5.2 U	1.9 U
Pyrene	mg/kg	-	-	-	-	-	1.9 J	16	1.6 J	6.6 J	3.8 J	8 J
Metals												
Antimony	mg/kg	4.09E+02	-	5.42E+00	1.02E+04	2.84E+02	0.70 J	2.2 J	5.8 J[c]	3.0 J	6.2 J[c]	1.3 J
Arsenic	mg/kg	1.59E+01	-	2.92E+01	9.54E+02	2.88E+02	7.5	19.4[a]	16.5 J[a]	15.5[a]	24.1[a]	9.9 J
Barium	mg/kg	-	-	-	-	-	95.2	105	194	826	1780	345
Beryllium	mg/kg	1.94E+03	-	6.32E+01	1.42E+04	1.42E+03	0.56 U	0.53 J	0.59 U	0.66 U	0.18 J	0.48 J
Cadmium	mg/kg	4.51E+02	-	7.52E+00	1.89E+04	6.27E+02	3.5	53.4[a]	8.0[a]	30.7[a]	62.5[a]	5.9
Chromium Total	mg/Kg	6.40E+02	-	4.00E+01	2.84E+03	2.37E+03	30.4	460[a]	107[a]	230[a]	471[a]	52.6[a]
Cobalt	mg/kg	-	-	-	-	-	6.5	20.3	17.4 J	22.3	14.9	14.2 J
Copper	mg/Kg	4.09E+04	-	9.15E+02	1.02E+06	2.84E+04	244	1210[a]	5570[a]	868	2760[a]	508
Cyanide (total)	mg/kg	-	-	-	-	-	0.54 J	0.62 J	0.72	0.76	0.69	2.9
Lead	mg/Kg	-	-	2.70E+02	-	-	153	500[a]	482[a]	918[a]	1930[a]	210
Manganese	mg/kg	1.95E+04	-	1.14E+03	3.58E+06	9.94E+04	396	831	2390 J[a]	1460[a]	1510[a]	2270 J[a]
Mercury	mg/kg	1.36E+01	3.82E+01	4.00E+01	1.63E+03	1.43E+01	1.5	14.7[abc]	6.5	1.9	12.4	16.9[abc]
Nickel	mg/kg	2.04E+04	-	1.30E+02	1.42E+05	1.42E+04	19.3 J	76.1 J	58.6 J	75.1 J	231 J[c]	29.6 J
Selenium	mg/kg	-	-	-	-	-	0.56 U	1.6 U	0.59 U	2.0 J	3.1 U	0.72 U
Silver	mg/kg	5.11E+03	-	7.30E+01	1.28E+05	3.55E+03	1.3	39.9	2.0	3.1	13.1	1.2 J
Thallium	mg/kg	6.75E+01	-	2.85E+00	1.79E+03	4.97E+01	1.1 U	3.1 U	2.2 U	6.6 U	6.3 U	3.3 U
Vanadium	mg/kg	1.02E+03	-	7.30E+02	1.79E+05	4.97E+03	12.0	15.2 J	8.3	42.2	26.3 J	8.8
Zinc	mg/Kg	3.06E+05	-	1.36E+04	7.67E+06	2.13E+05	429	2950	2070 J	1750	2450	612 J
PCBs												
Aroclor-1242 (PCB-1242)	mg/kg	7.44E+00	3.19E+02	6.18E+00	3.50E+02	2.43E+01	0.074 U	5.2 U	0.39 U	2.2 U	21 U	2.4 U
Aroclor-1248 (PCB-1248)	mg/kg	7.44E+00	3.19E+02	6.18E+00	3.50E+02	2.43E+01	0.074 U	5.2 U	0.39 U	2.2 U	21 U	2.4 U
Aroclor-1254 (PCB-1254)	mg/kg	7.44E+00	3.19E+02	6.18E+00	3.50E+02	2.43E+01	1.3	54[abc]	2.4	20[abc]	340[abc]	18[abc]
Aroclor-1260 (PCB-1260)	mg/kg	7.44E+00	3.19E+02	6.18E+00	3.50E+02	2.43E+01	0.074 U	5.2 U	0.39 U	2.2 U	21 U	2.4 U
General Chemistry												
Total Solids	%	-	-	-	-	-	89.0	63.6	85.2	75.4	79.9	69.3

Notes:
U - Not present at or above the associated value.
J - Estimated concentration.
UJ - Estimated reporting limit.
R - Rejected.

TABLE 1a

ANALYTICAL RESULTS SUMMARY
DETECTED COMPOUNDS ONLY
STORM SEWER SEDIMENT
HARRISON DAYTON

Sample Location:							*MH-18*	*MH-18*	*MH-19*	*MH-19*	*MH-25*	*MH-37*
Sample ID:							*SESS-101304-NZ-005*	*SESS-101304-NZ-006*	*SE-040802-SLE-007*	*SESS-101304-NZ-004*	*SESS-101304-NZ-003*	*SESS-101304-NZ-022*
Sample Date:							*10/13/2004*	*10/13/2004* *Duplicate*	*4/8/2002*	*10/13/2004*	*10/13/2004*	*10/13/2004*
Parameters	*Units*	Routine Commercial / Industrial Worker Soil Direct Contact Criteria a	Site-Specific Commercial / Industrial Soil Volatilization to Indoor Air Criteria b	Soil Migration to Groundwater Criteria c	Site-Specific Routine Construction Worker Soil Contact Criteria d	Site-Specific Redevelopment Worker Soil Contact Criteria e						
Volatile Organic Compounds												
1,4-Dichlorobenzene	mg/kg	-	-	-	-	-	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.00067 J	0.96 U
2-Butanone (Methyl Ethyl Ketone)	mg/kg	-	-	-	-	-	0.024 U	0.024 U	1.3 U	0.022 U	0.008 J	3.8 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/kg	-	-	-	-	-	0.024 U	0.024 U	1.3 U	0.022 U	0.039 U	3.8 U
Acetone	mg/kg	-	-	-	-	-	0.024 UJ	0.024 UJ	1.3 U	0.022 UJ	0.033 J	3.8 U
Benzene	mg/kg	1.41E+01	2.33E-01	2.00E+00	8.35E+02	4.17E+01	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.00069 J	0.96 U
Carbon disulfide	mg/kg	-	-	-	-	-	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.0097 U	0.96 U
Chloroform (Trichloromethane)	mg/kg	4.70E+00	8.41E-02	3.20E+01	2.76E+02	2.04E+01	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.0097 U	0.96 U
cis-1,2-Dichloroethene	mg/kg	1.46E+02	2.00E+00	2.80E+01	3.39E+03	2.55E+01	0.0073	0.0045 J	0.24	0.0056 U	0.0097 U	0.96 U
Ethylbenzene	mg/kg	-	-	-	-	-	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.003 J	0.96 U
Methyl acetate	mg/kg	-	-	-	-	-	0.012 U	0.012 U	0.2 J	0.011 U	0.019 U	1.9 U
Methyl cyclohexane	mg/kg	-	-	-	-	-	0.012 U	0.012 U	0.64 U	0.011 U	0.001 J	1.9 U
Methylene chloride	mg/kg	2.05E+02	2.70E+00	2.00E+00	1.07E+04	8.23E+02	0.0061 U	0.0061 U	0.11 J	0.0056 U	0.0097 U	0.96 U
Tetrachloroethene	mg/kg	1.31E+01	4.56E-01	2.00E+00	2.00E+03	1.55E+02	0.011	0.002 J	2.6**	0.01	0.0097 U	6.1**
Toluene	mg/kg	-	-	-	-	-	0.0061 U	0.0061 U	0.32 U	0.0056 U	0.028	0.96 U
trans-1,2-Dichloroethene	mg/kg	-	-	-	-	-	0.0061 U	0.0061 U	0.16 U	0.0056 U	0.0097 U	0.96 U
Trichloroethene	mg/kg	6.12E+01	1.51E+00	2.00E+00	4.75E+03	3.60E+02	0.0031 J	0.00084 J	0.39	0.00059 J	0.0097 U	2.8**
Xylene (total)	mg/kg	-	-	-	-	-	0.012 U	0.012 U	0.64 U	0.011 U	0.0017 J	1.9 U
Semi Volatile Organic Compounds												
2-Methylnaphthalene	mg/kg	-	-	-	-	-	0.077 J	0.12 J	0.95 U	0.12 J	2.4 J	2.2 J
Acenaphthene	mg/kg	-	-	-	-	-	0.088 J	2 U	0.95 U	1.8 U	5.3 J	25 U
Acenaphthylene	mg/kg	-	-	-	-	-	0.041 J	2 U	0.95 U	1.8 U	32 U	25 U
Anthracene	mg/kg	-	-	-	-	-	0.16 J	0.082 J	0.95 U	1.8 U	5.9 J	25 U
Benzo(a)anthracene	mg/kg	2.11E+01	8.53E+04	-	1.67E+03	4.52E+02	0.71	0.28 J	0.29 J	0.18 J	15 J	25 U
Benzo(a)pyrene	mg/kg	2.11E+00	1.53E+05	-	1.70E+02	4.72E+01	0.63	0.33 J	0.38 J	0.28 J	13 J*	25 U
Benzo(b)fluoranthene	mg/kg	2.11E+01	8.13E+03	-	1.65E+03	4.28E+02	1.2	0.53 J	0.56 J	0.48 J	20 J	25 U
Benzo(g,h,i)perylene	mg/kg	-	-	-	-	-	0.54	0.36 J	0.29 J	0.32 J	10 J	25 U
Benzo(k)fluoranthene	mg/kg	-	-	-	-	-	0.46	0.16 J	0.23 J	0.2 J	7.1 J	25 U
bis(2-Ethylhexyl)phthalate	mg/kg	1.23E+03	5.56E+09	3.62E+03	9.49E+04	1.07E+04	1.2	1.4 J	7.8	3.8	30 J	25 U
Butyl benzylphthalate	mg/kg	-	-	-	-	-	0.4 U	2 U	0.34 J	1.8 U	100	25 U
Caprolactam	mg/kg	-	-	-	-	-	0.4 U	2 U	0.95 U	1.8 U	32 U	25 U
Carbazole	mg/kg	-	-	-	-	-	0.12 J	2 U	0.95 U	1.8 U	5.6 J	25 U
Chrysene	mg/kg	-	-	-	-	-	0.82	0.33 J	0.39 J	0.28 J	17 J	25 U
Dibenz(a,h)anthracene	mg/kg	2.11E+00	1.84E+07	1.40E+01	1.70E+02	4.74E+01	0.13 J	2 U	0.95 U	1.8 U	2.1 J	25 U
Dibenzofuran	mg/kg	-	-	-	-	-	0.057 J	2 U	0.95 U	1.8 U	3.9 J	25 U
Di-n-butylphthalate	mg/kg	-	-	-	-	-	0.018 J	2 U	0.95 U	1.8 U	32 U	25 U
Di-n-octyl phthalate	mg/kg	-	-	-	-	-	0.4 U	2 U	0.95 U	1.8 U	32 U	25 U
Fluoranthene	mg/kg	-	-	-	-	-	1.8	0.59 J	0.61 J	0.39 J	40	1.4 J
Fluorene	mg/kg	-	-	-	-	-	0.094 J	2 U	0.95 U	1.8 U	6.3 J	25 U
Indeno(1,2,3-cd)pyrene	mg/kg	2.11E+01	1.60E+06	-	1.70E+03	4.75E+02	0.077 J	0.23 J	0.27 J	0.22 J	8.3 J	25 U
Naphthalene	mg/kg	-	-	-	-	-	0.1 J	2 U	0.95 U	1.8 U	32 U	25 U
Phenanthrene	mg/kg	-	-	-	-	-	0.91	0.39 J	0.42 J	0.27 J	43	2.6 J

TABLE 1a

ANALYTICAL RESULTS SUMMARY
DETECTED COMPOUNDS ONLY
STORM SEWER SEDIMENT
HARRISON DAYTON

Sample Location:							*MH-18*	*MH-18*	*MH-19*	*MH-19*	*MH-25*	*MH-37*
Sample ID:							*SESS-101304-NZ-005*	*SESS-101304-NZ-006*	*SE-040802-SLE-007*	*SESS-101304-NZ-004*	*SESS-101304-NZ-003*	*SESS-101304-NZ-022*
Sample Date:							*10/13/2004*	*10/13/2004* *Duplicate*	*4/8/2002*	*10/13/2004*	*10/13/2004*	*10/13/2004*
Parameters	*Units*	Routine Commercial / Industrial Worker Soil Direct Contact Criteria a	Site-Specific Commercial / Industrial Soil Volatilization to Indoor Air Criteria b	Soil Migration to Groundwater Criteria c	Site-Specific Routine Construction Worker Soil Contact Criteria d	Site-Specific Redevelopment Worker Soil Contact Criteria e						
Phenol	mg/kg	-	-	-	-	-	0.17 J	2 U	0.95 U	1.8 U	32 U	25 U
Pyrene	mg/kg	-	-	-	-	-	1.1	0.55 J	0.67 J	0.36 J	31 J	1.8 J
Metals												
Antimony	mg/kg	4.09E+02	-	5.42E+00	1.02E+04	2.84E+02	1.5 J	0.77 J	3.4 J	0.79 J	5.6 J[c]	6.4 J[c]
Arsenic	mg/kg	1.59E+01	-	2.92E+01	9.54E+02	2.88E+02	10.6	6.7	10.1	9.4	13.2	48.0[abc]
Barium	mg/kg	-	-	-	-	-	87.3	86.4	161	95.7	469	450
Beryllium	mg/Kg	1.94E+03	-	6.32E+01	1.42E+04	1.42E+03	0.046 J	0.61 U	0.58 U	59.6	0.34 J	0.77 U
Cadmium	mg/kg	4.51E+02	-	7.52E+00	1.89E+04	6.27E+02	8.4[c]	7.1	8.0[c]	13.6[c]	13.4[c]	93.1[c]
Chromium Total	mg/Kg	6.40E+02	-	4.00E+01	2.84E+03	2.37E+03	53.0[c]	116[c]	168[c]	36.5	283[c]	802[abc]
Cobalt	mg/kg	-	-	-	-	-	6.6	7.0	12.6	11.9	22.7	29.1
Copper	mg/Kg	4.09E+04	-	9.15E+02	1.02E+06	2.84E+04	4730[c]	403	509	4270[c]	767	3000[c]
Cyanide (total)	mg/kg	-	-	-	-	-	0.26 J	0.26 J	1.7	0.41 J	1.5	2.1
Lead	mg/Kg	-	-	2.70E+02	-	-	368[c]	124	710[c]	176	1260[c]	2400[c]
Manganese	mg/kg	1.95E+04	-	1.14E+03	3.58E+06	9.94E+04	649	1020	1530[c]	961	693	1460[c]
Mercury	mg/kg	1.36E+01	3.82E+01	4.00E+01	1.63E+03	1.43E+01	18.8[abc]	23.9[abc]	5.0	2.5	22.8[abc]	5.8
Nickel	mg/kg	2.04E+04	-	1.30E+02	1.42E+05	1.42E+04	25.5 J	27.6 J	35.6	28.6 J	47.8 J	320 J[c]
Selenium	mg/kg	-	-	-	-	-	0.61 U	0.61 U	0.58 U	0.56 U	0.64 J	3.3 J
Silver	mg/kg	5.11E+03	-	7.30E+01	1.28E+05	3.55E+03	4.1	1.9	2.8	4.2	5.1	49.3
Thallium	mg/kg	6.75E+01	-	2.85E+00	1.79E+03	4.97E+01	1.2 U	1.2 U	1.2 U	1.1 U	1.9 U	7.7 U
Vanadium	mg/kg	1.02E+03	-	7.30E+02	1.79E+05	4.97E+03	9.2	10.3	11.3	10.5	23.2	28.4 J
Zinc	mg/Kg	3.06E+05	-	1.36E+04	7.67E+06	2.13E+05	1320	479	686	752	1550	1800
PCBs												
Aroclor-1242 (PCB-1242)	mg/kg	7.44E+00	3.19E+02	6.18E+00	3.50E+02	2.43E+01	0.8 U	0.8 U	0.38 U	0.74 U	1.3 U	100 U
Aroclor-1248 (PCB-1248)	mg/kg	7.44E+00	3.19E+02	6.18E+00	3.50E+02	2.43E+01	0.8 U	0.8 U	0.38 U	0.74 U	1.3 U	100 U
Aroclor-1254 (PCB-1254)	mg/kg	7.44E+00	3.19E+02	6.18E+00	3.50E+02	2.43E+01	11[abc]	12[abc]	5.1	12[abc]	15[abc]	1900[abc,d,e]
Aroclor-1260 (PCB-1260)	mg/kg	7.44E+00	3.19E+02	6.18E+00	3.50E+02	2.43E+01	0.8 U	0.8 U	0.38 U	0.74 U	1.3 U	100 U
General Chemistry												
Total Solids	%	-	-	-	-	-	82.1	82.1	86.5	89.3	51.4	65.3

Notes:
U - Not present at or above the associated value.
J - Estimated concentration.
UJ - Estimated reporting limit.
R - Rejected.

TABLE 1b

ANALYTICAL RESULTS SUMMARY
DETECTED COMPOUNDS ONLY
STORM SEWER WATER
HARRISON DAYTON

Sample Location:				*BS-1*	*BS-1*	*BS-1*	*BS-2*	*BS-3*	*BS-3*	*BS-4*	*INT-5*	*INT-5*
Sample ID:				*W-040902-SLE-011*	*W-040902-SLE-012*	*WSS-101304-NZ-021*	*WSS-101304-NZ-019*	*W-041202-SLE-022*	*WSS-101304-NZ-020*	*W-041202-SLE-023*	*W-040802-SLE-010*	*WSS-101304-NZ-001*
Sample Date:				*4/9/2002*	*4/9/2002* *Duplicate*	*10/13/2004*	*10/13/2004*	*4/12/2002*	*10/13/2004*	*4/12/2002*	*4/8/2002*	*10/13/2004*
Parameters	*Units*	Site-Specific Commercial / Industrial Groundwater Volatilization to Indoor Air Criteria a	Site-Specific Routine Construction Worker Groundwater Contact Criteria b									
Volatile Organic Compounds												
1,1,1-Trichloroethane	mg/L	-	-	0.00056 J	0.00044 J	0.00077 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	-	-	0.00057 J	0.00059 J	0.00048 J	0.00022 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	-	-	0.002 UJ	0.002 UJ	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	-	-	0.02 U	0.02 U	0.02 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 UJ	0.01 U	0.01 U
2-Hexanone	mg/L	-	-	0.02 U	0.02 U	0.02 U	0.01 U	0.01 UJ	0.01 U	0.01 UJ	0.01 U	0.01 UJ
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	-	-	0.02 U	0.02 U	0.02 UJ	0.01 UJ	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U
Acetone	mg/L	-	-	0.02 U	0.02 U	0.02 UJ	0.01 UJ	0.01 UJ	0.0015 J	0.01 UJ	0.01 U	0.001 J
Bromodichloromethane	mg/L	-	-	0.002 U	0.002 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	-	-	0.002 U	0.002 U	0.002 UJ	0.001 UJ	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U
Chloroethane	mg/L	-	-	0.002 U	0.002 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 UJ
Chloroform (Trichloromethane)	mg/L	2.20E+00	2.11E+00	0.0013 J	0.0013 J	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl Chloride)	mg/L	-	-	0.002 U	0.002 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	4.24E+01	2.11E+01	0.0022	0.0021	0.0033	0.0074	0.00061	0.00034 J	0.0005 U	0.0005 U	0.0005 U
Dibromochloromethane	mg/L	-	-	0.002 U	0.002 U	0.002 UJ	0.001 UJ	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U
Ethylbenzene	mg/L	-	-	0.002 U	0.002 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methylene chloride	mg/L	1.15E+02	8.29E+01	0.002 U	0.002 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	1.43E+01	1.33E+01	0.058	0.059	0.069	0.0045	0.0019	0.00093 J	0.0028	0.001 U	0.001 U
Toluene	mg/L	-	-	0.002 U	0.002 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	-	-	0.00069 J	0.00071 J	0.001 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Trichloroethene	mg/L	2.60E+01	2.50E+01	0.016	0.016	0.026	0.0016	0.00065 J	0.0025	0.00082 J	0.001 U	0.00031 J
Vinyl chloride	mg/L	3.16E+00	1.94E+00	0.002 U	0.002 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylene (total)	mg/L	-	-	0.002 U	0.002 U	0.002 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Semi Volatile Organic Compounds												
4-Nitrophenol	mg/L	-	-	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Benzo(a)anthracene	mg/L	4.66E+01	5.53E-02	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)pyrene	mg/L	3.23E+01	3.48E-03	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(b)fluoranthene	mg/L	2.80E+00	2.90E-02	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(g,h,i)perylene	mg/L	-	-	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(k)fluoranthene	mg/L	-	-	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
bis(2-Ethylhexyl)phthalate	mg/L	7.66E+04	9.08E-01	0.01 U	0.01 U	0.01 U	0.01 U	0.0072 J	0.01 U	0.01 U	0.01 U	0.01 U
Caprolactam	mg/L	-	-	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Chrysene	mg/L	-	-	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Di-n-butylphthalate	mg/L	-	-	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Fluoranthene	mg/L	-	-	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Indeno(1,2,3-cd)pyrene	mg/L	1.27E+02	3.28E-02	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Phenanthrene	mg/L	-	-	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Phenol	mg/L	-	-	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Pyrene	mg/L	-	-	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Metals												
Antimony	mg/L	-	3.79E+01	0.06 U	0.05 U	0.0020 U	0.0020 U	0.06 U	0.0020 U	0.060 U	0.06 U	0.0020 U

TABLE 1b

ANALYTICAL RESULTS SUMMARY
DETECTED COMPOUNDS ONLY
STORM SEWER WATER
HARRISON DAYTON

Sample Location:				*BS-1*	*BS-1*	*BS-1*	*BS-2*	*BS-3*	*BS-3*	*BS-4*	*INT-5*	*INT-5*
Sample ID:				*W-040902-SLE-011*	*W-040902-SLE-012*	*WSS-101304-NZ-021*	*WSS-101304-NZ-019*	*W-041202-SLE-022*	*WSS-101304-NZ-020*	*W-041202-SLE-023*	*W-040802-SLE-010*	*WSS-101304-NZ-001*
Sample Date:				*4/9/2002*	*4/9/2002* *Duplicate*	*10/13/2004*	*10/13/2004*	*4/12/2002*	*10/13/2004*	*4/12/2002*	*4/8/2002*	*10/13/2004*
Parameters	***Units***	Site-Specific Commercial / Industrial Groundwater Volatilization to Indoor Air Criteria a	Site-Specific Routine Construction Worker Groundwater Contact Criteria b									
Arsenic	mg/L	-	1.44E+01	0.01 U	0.01 U	0.0028 J	0.0028 J	0.01 U	0.010 U	0.01 U	0.01 U	0.010 U
Barium	mg/L	-	-	0.10 J	0.10 J	0.11 J	0.069 J	0.081 J	0.038 J	0.025 J	0.0099 J	0.022 J
Beryllium	mg/L	-	1.07E+01	0.005 U	0.005 U	0.0010 U	0.0010 U	0.005 U	0.0010 U	0.005 U	0.005 U	0.0010 U
Cadmium	mg/L	-	1.86E+01	0.0050 U	0.005 U	0.0021 J	0.0050 U	0.0050 U	0.0018 J	0.0050 U	0.0050 U	0.0013 J
Chromium Total	mg/L	-	2.85E+01	0.010 U	0.0084 J	0.0051 J	0.010 U	0.01 U	0.010 U	0.010 U	0.010 U	0.010 U
Cobalt	mg/L	-	-	0.05 U	0.05 U	0.050 U	0.050 U	0.05 U	0.050 U	0.05 U	0.05 U	0.050 U
Copper	mg/L	-	1.23E+04	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.064	0.012 J	0.022 J
Cyanide (total)	mg/L	-	-	0.01 U	0.01 U	0.010 U	0.010 U	0.01 U	0.010 U	0.01 U	0.01 U	0.010 U
Lead	mg/L	-	-	0.003 U	0.003 U	0.0030 U	0.0030 U	0.003 U	0.0030 U	0.011	0.0050	0.0059
Manganese	mg/L	-	4.09E+03	0.015 U	0.015 U	0.012 J	0.10	0.015	0.12	0.064	0.015 U	0.014 J
Mercury	mg/L	5.69E-01	2.61E-01	0.0002 U	0.0002 U	0.00020 U	0.00020 U	0.0002 U	0.00020 U	0.0002 U	0.0002 U	0.00020 U
Nickel	mg/L	-	2.38E+03	0.04 U	0.04 U	0.0026 J	0.040 U	0.04 U	0.040 U	0.04 U	0.04 U	0.040 U
Selenium	mg/L	-	-	0.0073 U	0.005 U	0.0050 U	0.0050 U	0.005 U	0.0050 U	0.005 U	0.005 U	0.0050 U
Silver	mg/L	-	2.34E+02	0.01 U	0.01 U	0.010 U	0.010 U	0.01 U	0.010 U	0.01 U	0.01 U	0.010 U
Thallium	mg/L	-	2.15E+01	0.0067 J	0.0069 J	0.0010 U	0.0010 U	0.0095 J	0.0010 U	0.0056 J	0.0054 J	0.0010 U
Vanadium	mg/L	-	1.36E+02	0.050 U	0.05 U	0.050 U	0.050 U	0.05 U	0.050 U	0.05 U	0.05 U	0.050 U
Zinc	mg/L	-	1.10E+05	0.038 J	0.018 J	0.020 U	0.023	0.016 J	0.031	0.082	0.39	0.25
PCBs												
Aroclor-1242 (PCB-1242)	mg/L	1.13E-01	1.09E-02	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1248 (PCB-1248)	mg/L	1.13E-01	1.09E-02	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1254 (PCB-1254)	mg/L	1.13E-01	1.09E-02	0.00028	0.00045	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U
Aroclor-1260 (PCB-1260)	mg/L	1.13E-01	1.09E-02	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.00035	0.0002 U	0.0002 U	0.0002 U

Notes:
U - Not present at or above the associated value.
J - Estimated concentration.
UJ - Estimated reporting limit.
R - Rejected.

TABLE 1b

ANALYTICAL RESULTS SUMMARY
DETECTED COMPOUNDS ONLY
STORM SEWER WATER
HARRISON DAYTON

Sample Location:				*MH-26/INT-6*	*MH-26/INT-6*	*MH-5*	*MH-6*	*MH-7*	*MH-7*	*MH-8*	*MH-8*	*MH-9*
Sample ID:				*W-040802-SLE-009*	*WSS-101304-NZ-002*	*WSS-101304-NZ-018*	*WSS-101304-NZ-017*	*W-040402-SLE-001*	*WSS-101304-NZ-016*	*W-040402-SLE-002*	*WSS-101304-NZ-013*	*W-040502-SLE-003*
Sample Date:				*4/8/2002*	*10/13/2004*	*10/13/2004*	*10/13/2004*	*4/4/2002*	*10/13/2004*	*4/4/2002*	*10/13/2004*	*4/5/2002*
Parameters	*Units*	Site-Specific Commercial / Industrial Groundwater Volatilization to Indoor Air Criteria a	Site-Specific Routine Construction Worker Groundwater Contact Criteria b									
Volatile Organic Compounds												
1,1,1-Trichloroethane	mg/L	-	-	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	-	-	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	-	-	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 UJ	0.001 U	0.001 UJ
2-Butanone (Methyl Ethyl Ketone)	mg/L	-	-	0.01 U	0.01 U	0.00068 J	0.00064 J	0.00057 J	0.0011 J	0.0005 J	0.00074 J	0.00047 J
2-Hexanone	mg/L	-	-	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	-	-	0.01 U	0.01 U	0.01 UJ	0.01 UJ	0.01 U	0.01 UJ	0.01 U	0.00047 J	0.01 U
Acetone	mg/L	-	-	0.01 U	0.001 J	0.0025 J	0.0019 J	0.01 U	0.0045 J	0.01 U	0.0031 J	0.01 U
Bromodichloromethane	mg/L	-	-	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Bromoform	mg/L	-	-	0.001 U	0.001 U	0.001 UJ	0.001 UJ	0.001 U	0.001 UJ	0.001 U	0.001 UJ	0.001 U
Chloroethane	mg/L	-	-	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloroform (Trichloromethane)	mg/L	2.20E+00	2.11E+00	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Chloromethane (Methyl Chloride)	mg/L	-	-	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	4.24E+01	2.11E+01	0.0005 U	0.00023 J	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Dibromochloromethane	mg/L	-	-	0.001 U	0.001 U	0.001 UJ	0.001 UJ	0.001 U	0.001 UJ	0.001 U	0.001 UJ	0.001 U
Ethylbenzene	mg/L	-	-	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Methylene chloride	mg/L	1.15E+02	8.29E+01	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	1.43E+01	1.33E+01	0.001 U	0.001 U	0.001 U	0.001 U	0.0006 J	0.001 U	0.003	0.001 U	0.0011
Toluene	mg/L	-	-	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	-	-	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Trichloroethene	mg/L	2.60E+01	2.50E+01	0.001 U	0.00058 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00019 J
Vinyl chloride	mg/L	3.16E+00	1.94E+00	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Xylene (total)	mg/L	-	-	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Semi Volatile Organic Compounds												
4-Nitrophenol	mg/L	-	-	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Benzo(a)anthracene	mg/L	4.66E+01	5.53E-02	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(a)pyrene	mg/L	3.23E+01	3.48E-03	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(b)fluoranthene	mg/L	2.80E+00	2.90E-02	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(g,h,i)perylene	mg/L	-	-	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Benzo(k)fluoranthene	mg/L	-	-	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
bis(2-Ethylhexyl)phthalate	mg/L	7.66E+04	9.08E-01	0.01 U	0.01 U	0.01 U	0.01 U	0.0068 J	0.01 U	0.0029 J	0.01 U	0.01 U
Caprolactam	mg/L	-	-	0.01 U	0.01 U	0.0028 J	0.0024 J	0.01 U	0.018	0.01 U	0.0047 J	0.01 U
Chrysene	mg/L	-	-	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Di-n-butylphthalate	mg/L	-	-	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Fluoranthene	mg/L	-	-	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Indeno(1,2,3-cd)pyrene	mg/L	1.27E+02	3.28E-02	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Phenanthrene	mg/L	-	-	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Phenol	mg/L	-	-	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.00079 J	0.01 U	0.01 U	0.01 U
Pyrene	mg/L	-	-	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Metals												
Antimony	mg/L	-	3.79E+01	0.06 U	0.0020 U	0.0056	0.013	0.06 U	0.0023	0.06 U	0.0021	0.06 U

TABLE 1b

ANALYTICAL RESULTS SUMMARY
DETECTED COMPOUNDS ONLY
STORM SEWER WATER
HARRISON DAYTON

Sample Location:				*MH-26/INT-6*	*MH-26/INT-6*	*MH-5*	*MH-6*	*MH-7*	*MH-7*	*MH-8*	*MH-8*	*MH-9*
Sample ID:				*W-040802-SLE-009*	*WSS-101304-NZ-002*	*WSS-101304-NZ-018*	*WSS-101304-NZ-017*	*W-040402-SLE-001*	*WSS-101304-NZ-016*	*W-040402-SLE-002*	*WSS-101304-NZ-013*	*W-040502-SLE-003*
Sample Date:				*4/8/2002*	*10/13/2004*	*10/13/2004*	*10/13/2004*	*4/4/2002*	*10/13/2004*	*4/4/2002*	*10/13/2004*	*4/5/2002*
Parameters	*Units*	Site-Specific Commercial / Industrial Groundwater Volatilization to Indoor Air Criteria a	Site-Specific Routine Construction Worker Groundwater Contact Criteria b									
Arsenic	mg/L	-	1.44E+01	0.01 U	0.010 U	0.010 U	0.010 U	0.01 U	0.0034 J	0.01 U	0.010 U	0.01 U
Barium	mg/L	-	-	0.0089 J	0.035 J	0.045 J	0.058 J	0.025 J	0.069 J	0.2 U	0.091 J	0.024 J
Beryllium	mg/L	-	1.07E+01	0.005 U	0.0010 U	0.0010 U	0.0010 U	0.005 U	0.0010 U	0.005 U	0.0010 U	0.005 U
Cadmium	mg/L	-	1.86E+01	0.0050 U	0.00083 J	0.00091 J	0.00096 J	0.0050 U	0.0012 J	0.0050 U	0.0017 J	0.0050 U
Chromium Total	mg/L	-	2.85E+01	0.01 U	0.010 U	0.010 U	0.0027 J	0.010 U	0.0053 J	0.01 U	0.0072 J	0.010 U
Cobalt	mg/L	-	-	0.05 U	0.050 U	0.050 U	0.050 U	0.050 U	0.0016 J	0.05 U	0.0023 J	0.050 U
Copper	mg/L	-	1.23E+04	0.025 U	0.036	0.069	0.14	0.015 J	0.10	0.025 U	0.077	0.013 J
Cyanide (total)	mg/L	-	-	0.01 U	0.010 U	0.010 U	0.010 U	0.01 U	0.010 U	0.01 U	0.010 U	0.0017 J
Lead	mg/L	-	-	0.003 U	0.0023 J	0.0029 J	0.0097	0.003 U	0.016	0.003 U	0.041	0.0045 U
Manganese	mg/L	-	4.09E+03	0.015 U	0.041	0.041	0.066	0.011 J	0.056	0.015 U	0.045	0.015
Mercury	mg/L	5.69E-01	2.61E-01	0.0002 U	0.00020 U	0.00020 U	0.00020 U	0.0002 U	0.000040 J	0.000093 J	0.00054	0.0002 U
Nickel	mg/L	-	2.38E+03	0.04 U	0.040 U	0.040 U	0.040 U	0.040 U	0.0065 J	0.04 U	0.0039 J	0.0045 J
Selenium	mg/L	-	-	0.0050 U	0.0050 U	0.0050 U	0.0050 U	0.005 U	0.0050 U	0.005 U	0.0050 U	0.005 U
Silver	mg/L	-	2.34E+02	0.01 U	0.010 U	0.010 U	0.010 U	0.01 U	0.010 U	0.01 U	0.010 U	0.01 U
Thallium	mg/L	-	2.15E+01	0.01 U	0.0010 U	0.0010 U	0.0010 U	0.010 U	0.0010 U	0.010 U	0.000029 J	0.010 U
Vanadium	mg/L	-	1.36E+02	0.05 U	0.050 U	0.050 U	0.050 U	0.05 U	0.0018 J	0.05 U	0.0030 J	0.05 U
Zinc	mg/L	-	1.10E+05	0.55	0.43	1.0	0.42	0.10	0.22	0.02 U	0.29	0.11
PCBs												
Aroclor-1242 (PCB-1242)	mg/L	1.13E-01	1.09E-02	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.00027	R	0.00022	0.0002 U	0.0003
Aroclor-1248 (PCB-1248)	mg/L	1.13E-01	1.09E-02	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	R	0.0002 U	0.0002 U	0.0002 U
Aroclor-1254 (PCB-1254)	mg/L	1.13E-01	1.09E-02	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	R	0.0002 U	0.00028	0.0002 U
Aroclor-1260 (PCB-1260)	mg/L	1.13E-01	1.09E-02	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	R	0.0002 U	0.0002 U	0.0002 U

Notes:
U - Not present at or above the associated value.
J - Estimated concentration.
UJ - Estimated reporting limit.
R - Rejected.

TABLE 1b

ANALYTICAL RESULTS SUMMARY
DETECTED COMPOUNDS ONLY
STORM SEWER WATER
HARRISON DAYTON

Sample Location:				*MH-9*	*MH-9*	*MH-11*	*MH-11*	*MH-11*	*MH-12*	*MH-12*	*MH-14*
Sample ID:				*WSS-101304-NZ-012*	*WSS-101504-NZ-012*	*W-040502-SLE-004*	*WSS-101304-NZ-011*	*WSS-101504-NZ-011*	*WSS-101304-NZ-010*	*WSS-101504-NZ-010*	*W-040502-SLE-005*
Sample Date:				*10/13/2004*	*10/15/2004*	*4/5/2002*	*10/13/2004*	*10/15/2004*	*10/13/2004*	*10/15/2004*	*4/5/2002*
Parameters	*Units*	Site-Specific Commercial / Industrial Groundwater Volatilization to Indoor Air Criteria a	Site-Specific Routine Construction Worker Groundwater Contact Criteria b								
Volatile Organic Compounds											
1,1,1-Trichloroethane	mg/L	-	-	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0014 U
1,1-Dichloroethane	mg/L	-	-	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0014 U
1,2,4-Trichlorobenzene	mg/L	-	-	0.001 U	0.001 U	0.001 UJ	0.001 U	0.001 U	0.001 U	0.001 U	0.0014 UJ
2-Butanone (Methyl Ethyl Ketone)	mg/L	-	-	0.00075 J	0.01 UJ	0.01 U	0.00081 J	0.01 UJ	0.00057 J	0.01 UJ	0.014 U
2-Hexanone	mg/L	-	-	0.01 U	0.01 UJ	0.01 U	0.01 U	0.01 UJ	0.01 U	0.01 UJ	0.014 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	-	-	0.00038 J	0.01 UJ	0.01 U	0.01 UJ	0.01 U	0.01 UJ	0.01 UJ	0.014 U
Acetone	mg/L	-	-	0.003 J	0.0033 J	0.01 U	0.0027 J	0.01 UJ	0.0022 J	0.00094 J	0.019
Bromodichloromethane	mg/L	-	-	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0039	0.0014 U
Bromoform	mg/L	-	-	0.001 UJ	0.001 U	0.001 U	0.001 UJ	0.001 UJ	0.001 UJ	0.0014	0.0014 U
Chloroethane	mg/L	-	-	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0014 U
Chloroform (Trichloromethane)	mg/L	2.20E+00	2.11E+00	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0014 U
Chloromethane (Methyl Chloride)	mg/L	-	-	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0014 U
cis-1,2-Dichloroethene	mg/L	4.24E+01	2.11E+01	0.0005 U	0.00086	0.027	0.0027	0.0025	0.0005 U	0.0005 U	0.042
Dibromochloromethane	mg/L	-	-	0.001 UJ	0.001 U	0.001 U	0.001 UJ	0.001 UJ	0.001 UJ	0.0038	0.0014 U
Ethylbenzene	mg/L	-	-	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.00067 J	0.001 U	0.0014 U
Methylene chloride	mg/L	1.15E+02	8.29E+01	0.001 U	0.001 U	0.001 U	0.001 U	0.00037 J	0.001 U	0.001 U	0.0014 U
Tetrachloroethene	mg/L	1.43E+01	1.33E+01	0.00035 J	0.013	0.011	0.00078 J	0.00025 J	0.001 U	0.001 U	0.012
Toluene	mg/L	-	-	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0014 U
trans-1,2-Dichloroethene	mg/L	-	-	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U	0.00072 U
Trichloroethene	mg/L	2.60E+01	2.50E+01	0.001 U	0.0028	0.0054	0.00059 J	0.00052 J	0.00071 J	0.001 U	0.007
Vinyl chloride	mg/L	3.16E+00	1.94E+00	0.001 U	0.001 U	0.00065 J	0.001 U	0.001 U	0.001 U	0.001 U	0.00094 J
Xylene (total)	mg/L	-	-	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0036	0.001 U	0.0014 U
Semi Volatile Organic Compounds											
4-Nitrophenol	mg/L	-	-	0.2 U	0.05 UJ	0.0023 J	0.2 U	0.05 U	-	0.05 U	0.05 U
Benzo(a)anthracene	mg/L	4.66E+01	5.53E-02	0.04 U	0.01 UJ	0.01 U	0.04 U	0.01 U	-	0.01 U	0.01 U
Benzo(a)pyrene	mg/L	3.23E+01	3.48E-03	0.04 U	0.01 UJ	0.01 U	0.04 U	0.01 U	-	0.01 U	0.01 U
Benzo(b)fluoranthene	mg/L	2.80E+00	2.90E-02	0.04 U	0.01 UJ	0.01 U	0.04 U	0.01 U	-	0.01 U	0.01 U
Benzo(g,h,i)perylene	mg/L	-	-	0.04 U	0.01 UJ	0.01 U	0.04 U	0.01 U	-	0.01 U	0.01 U
Benzo(k)fluoranthene	mg/L	-	-	0.04 U	0.01 UJ	0.01 U	0.04 U	0.01 U	-	0.01 U	0.01 U
bis(2-Ethylhexyl)phthalate	mg/L	7.66E+04	9.08E-01	0.04 U	0.01 UJ	0.01 U	0.04 U	0.01 U	-	0.01 U	0.01 U
Caprolactam	mg/L	-	-	0.0041 J	0.01 UJ	0.01 U	0.04 U	0.01 U	-	0.01 U	0.01 U
Chrysene	mg/L	-	-	0.04 U	0.01 UJ	0.01 U	0.04 U	0.01 U	-	0.01 U	0.01 U
Di-n-butylphthalate	mg/L	-	-	0.04 U	0.01 UJ	0.01 U	0.04 U	0.01 U	-	0.01 U	0.01 U
Fluoranthene	mg/L	-	-	0.04 U	0.01 UJ	0.01 U	0.04 U	0.01 U	-	0.01 U	0.01 U
Indeno(1,2,3-cd)pyrene	mg/L	1.27E+02	3.28E-02	0.04 U	0.01 UJ	0.01 U	0.04 U	0.01 U	-	0.01 U	0.01 U
Phenanthrene	mg/L	-	-	0.04 U	0.01 UJ	0.01 U	0.04 U	0.01 U	-	0.01 U	0.01 U
Phenol	mg/L	-	-	0.04 U	0.01 UJ	0.01 U	0.04 U	0.01 U	-	0.01 U	0.01 U
Pyrene	mg/L	-	-	0.04 U	0.01 UJ	0.01 U	0.04 U	0.01 U	-	0.01 U	0.01 U
Metals											
Antimony	mg/L	-	3.79E+01	0.0020	0.0020 U	0.06 U	0.0020 U	0.0020 U	0.019	0.0020 U	0.06 U

TABLE 1b

ANALYTICAL RESULTS SUMMARY
DETECTED COMPOUNDS ONLY
STORM SEWER WATER
HARRISON DAYTON

Sample Location:				*MH-9*	*MH-9*	*MH-11*	*MH-11*	*MH-11*	*MH-12*	*MH-12*	*MH-14*
Sample ID:				*WSS-101304-NZ-012*	*WSS-101504-NZ-012*	*W-040502-SLE-004*	*WSS-101304-NZ-011*	*WSS-101504-NZ-011*	*WSS-101304-NZ-010*	*WSS-101504-NZ-010*	*W-040502-SLE-005*
Sample Date:				*10/13/2004*	*10/15/2004*	*4/5/2002*	*10/13/2004*	*10/15/2004*	*10/13/2004*	*10/15/2004*	*4/5/2002*
Parameters	*Units*	Site-Specific Commercial / Industrial Groundwater Volatilization to Indoor Air Criteria a	Site-Specific Routine Construction Worker Groundwater Contact Criteria b								
Arsenic	mg/L	-	1.44E+01	0.010 U	0.010 U	0.01 U	0.010 U	0.010 U	0.098	0.010 U	0.01 U
Barium	mg/L	-	-	0.095 J	0.042 J	0.024 J	0.049 J	0.052 J	1.3	0.059 J	0.027 J
Beryllium	mg/L	-	1.07E+01	0.0010 U	0.0010 U	0.005 U	0.0010 U	0.0010 U	0.0051	0.0010 U	0.005 U
Cadmium	mg/L	-	1.86E+01	0.0018 J	0.0012 J	0.0050 U	0.0011 J	0.0050 U	0.56	0.0050 U	0.0050 U
Chromium Total	mg/L	-	2.85E+01	0.010	0.010 U	0.01 U	0.0030 J	0.010 U	3.6	0.010 U	0.0018 J
Cobalt	mg/L	-	-	0.0033 J	0.050 U	0.050 U	0.050 U	0.050 U	0.18	0.050 U	0.050 U
Copper	mg/L	-	1.23E+04	0.12	0.034	0.011 J	0.037	0.025 U	12.5	0.015 J	0.025 U
Cyanide (total)	mg/L	-	-	0.0040 J	0.010 U	0.0031 J	0.010 U	0.010 U	0.010 U	0.010 U	0.0017 J
Lead	mg/L	-	-	0.057	0.0049	0.0032 U	0.014	0.0030 U	5.4	0.0048	0.0044 U
Manganese	mg/L	-	4.09E+03	0.12	0.31	0.015 U	0.034	0.015	7.3	0.046	0.013 J
Mercury	mg/L	5.69E-01	2.61E-01	0.00053	0.00020 U	0.0002 U	0.00015 J	0.00020 U	0.095	0.00020 U	0.0002 U
Nickel	mg/L	-	2.38E+03	0.0045 J	0.040 U	0.04 U	0.040 U	0.040 U	0.47	0.040 U	0.04 U
Selenium	mg/L	-	-	0.0050 U	0.0050 U	0.005 U	0.0050 U	0.0050 U	0.0077	0.0050 U	0.005 U
Silver	mg/L	-	2.34E+02	0.010 U	0.010 U	0.01 U	0.010 U	0.010 U	0.55	0.010 U	0.01 U
Thallium	mg/L	-	2.15E+01	0.0010 U	0.0010 U	0.010 U	0.0010 U	0.0010 U	0.0015	0.0010 U	0.010 U
Vanadium	mg/L	-	1.36E+02	0.0030 J	0.050 U	0.05 U	0.00088 J	0.050 U	0.15	0.050 U	0.00094 J
Zinc	mg/L	-	1.10E+05	0.30	0.071	0.10	0.14	0.044	32.2	0.079	0.11
PCBs											
Aroclor-1242 (PCB-1242)	mg/L	1.13E-01	1.09E-02	0.0002 U	0.0002 U	0.00033	0.0002 U	0.0002 U	0.02 U	0.0002 U	0.0003
Aroclor-1248 (PCB-1248)	mg/L	1.13E-01	1.09E-02	0.0017	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.02 U	0.0002 U	0.0002 U
Aroclor-1254 (PCB-1254)	mg/L	1.13E-01	1.09E-02	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.3 [D]	0.0002 U	0.0002 U
Aroclor-1260 (PCB-1260)	mg/L	1.13E-01	1.09E-02	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.02 U	0.0002 U	0.0002 U

Notes:
U - Not present at or above the associated value.
J - Estimated concentration.
UJ - Estimated reporting limit.
R - Rejected.

TABLE 1b

ANALYTICAL RESULTS SUMMARY
DETECTED COMPOUNDS ONLY
STORM SEWER WATER
HARRISON DAYTON

Sample Location:				*MH-14*	*MH-18*	*MH-18*	*MH-18*	*MH-19*	*MH-19*	*MH-25*	*MH-25*
Sample ID:				*WSS-101304-NZ-007*	*W-040502-SLE-006*	*WSS-101304-NZ-005*	*WSS-101304-NZ-006*	*W-040802-SLE-007*	*WSS-101304-NZ-004*	*W-040802-SLE-008*	*WSS-101304-NZ-003*
Sample Date:				*10/13/2004*	*4/5/2002*	*10/13/2004*	*10/13/2004* Duplicate	*4/8/2002*	*10/13/2004*	*4/8/2002*	*10/13/2004*
Parameters	*Units*	Site-Specific Commercial / Industrial Groundwater Volatilization to Indoor Air Criteria a	Site-Specific Routine Construction Worker Groundwater Contact Criteria b								
Volatile Organic Compounds											
1,1,1-Trichloroethane	mg/L	-	-	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U	0.001 U
1,1-Dichloroethane	mg/L	-	-	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U	0.001 U
1,2,4-Trichlorobenzene	mg/L	-	-	0.0067 U	0.001 UJ	0.008 U	0.0067 U	0.001 UJ	0.001 U	0.001 UJ	0.001 U
2-Butanone (Methyl Ethyl Ketone)	mg/L	-	-	0.067 UJ	0.01 U	0.08 UJ	0.067 UJ	0.00053 J	0.00061 J	0.01 U	0.00065 J
2-Hexanone	mg/L	-	-	0.067 U	0.01 U	0.08 U	0.067 U	0.01 U	0.01 U	0.01 U	0.01 UJ
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	mg/L	-	-	0.067 UJ	0.01 U	0.08 UJ	0.067 UJ	0.01 U	0.01 UJ	0.01 U	0.01 U
Acetone	mg/L	-	-	0.067 UJ	0.017 U	0.08 UJ	0.067 UJ	0.01 U	0.0026 J	0.01 U	0.0031 J
Bromodichloromethane	mg/L	-	-	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.0023	0.001 U
Bromoform	mg/L	-	-	0.0067 UJ	0.001 U	0.008 UJ	0.0067 UJ	0.001 U	0.001 UJ	0.0014	0.001 U
Chloroethane	mg/L	-	-	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U	0.001 UJ
Chloroform (Trichloromethane)	mg/L	2.20E+00	2.11E+00	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.003	0.001 U
Chloromethane (Methyl Chloride)	mg/L	-	-	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U	0.001 U
cis-1,2-Dichloroethene	mg/L	4.24E+01	2.11E+01	0.19	0.00061	0.23	0.23	0.0005 U	0.00048 J	0.00078	0.0018
Dibromochloromethane	mg/L	-	-	0.0067 UJ	0.001 U	0.008 UJ	0.0067 UJ	0.001 U	0.001 UJ	0.0028	0.001 U
Ethylbenzene	mg/L	-	-	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U	0.001 U
Methylene chloride	mg/L	1.15E+02	8.29E+01	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U	0.001 U
Tetrachloroethene	mg/L	1.43E+01	1.33E+01	0.059	0.0012	0.064	0.062	0.00034 J	0.00024 J	0.0024	0.00034 J
Toluene	mg/L	-	-	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U	0.001 U
trans-1,2-Dichloroethene	mg/L	-	-	0.0033 U	0.0005 U	0.004 U	0.0033 U	0.0005 U	0.0005 U	0.0005 U	0.0005 U
Trichloroethene	mg/L	2.60E+01	2.50E+01	0.032	0.00029 J	0.039	0.038	0.001 U	0.001 U	0.00047 J	0.001 U
Vinyl chloride	mg/L	3.16E+00	1.94E+00	0.014	0.001 U	0.016	0.016	0.001 U	0.001 U	0.001 U	0.00024 J
Xylene (total)	mg/L	-	-	0.0067 U	0.001 U	0.008 U	0.0067 U	0.001 U	0.001 U	0.001 U	0.001 U
Semi Volatile Organic Compounds											
4-Nitrophenol	mg/L	-	-	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U	0.05 U
Benzo(a)anthracene	mg/L	4.66E+01	5.53E-02	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0014 J
Benzo(a)pyrene	mg/L	3.23E+01	3.48E-03	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0015 J
Benzo(b)fluoranthene	mg/L	2.80E+00	2.90E-02	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0024 J
Benzo(g,h,i)perylene	mg/L	-	-	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0011 J
Benzo(k)fluoranthene	mg/L	-	-	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.00079 J
bis(2-Ethylhexyl)phthalate	mg/L	7.66E+04	9.08E-01	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Caprolactam	mg/L	-	-	0.01 U	0.01 U	0.0042 J	0.01 U	0.01 U	0.0021 J	0.01 U	0.01 U
Chrysene	mg/L	-	-	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0022 J
Di-n-butylphthalate	mg/L	-	-	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Fluoranthene	mg/L	-	-	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0029 J
Indeno(1,2,3-cd)pyrene	mg/L	1.27E+02	3.28E-02	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.00089 J
Phenanthrene	mg/L	-	-	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0016 J
Phenol	mg/L	-	-	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U
Pyrene	mg/L	-	-	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.0022 J
Metals											
Antimony	mg/L	-	3.79E+01	0.0020 U	0.06 U	0.0022	0.0024	0.06 U	0.0020	0.06 U	0.0022

TABLE 1b

ANALYTICAL RESULTS SUMMARY
DETECTED COMPOUNDS ONLY
STORM SEWER WATER
HARRISON DAYTON

Sample Location:				*MH-14*	*MH-18*	*MH-18*	*MH-18*	*MH-19*	*MH-19*	*MH-25*	*MH-25*
Sample ID:				*WSS-101304-NZ-007*	*W-040502-SLE-006*	*WSS-101304-NZ-005*	*WSS-101304-NZ-006*	*W-040802-SLE-007*	*WSS-101304-NZ-004*	*W-040802-SLE-008*	*WSS-101304-NZ-003*
Sample Date:				*10/13/2004*	*4/5/2002*	*10/13/2004*	*10/13/2004* *Duplicate*	*4/8/2002*	*10/13/2004*	*4/8/2002*	*10/13/2004*
Parameters	*Units*	Site-Specific Commercial / Industrial Groundwater Volatilization to Indoor Air Criteria a	Site-Specific Routine Construction Worker Groundwater Contact Criteria b								
Arsenic	mg/L	-	1.44E+01	0.010 U	0.01 U	0.010 U	0.010 U	0.01 U	0.010 U	0.01 U	0.0075 J
Barium	mg/L	-	-	0.067 J	0.030 J	0.087 J	0.082 J	0.029 J	0.059 J	0.062 J	0.21
Beryllium	mg/L	-	1.07E+01	0.0010 U	0.005 U	0.0010 U	0.0010 U	0.005 U	0.0010 U	0.005 U	0.0010 U
Cadmium	mg/L	-	1.86E+01	0.0018 J	0.0050 U	0.0021 J	0.0020 J	0.0050 U	0.0012 J	0.0050 U	0.0077
Chromium Total	mg/L	-	2.85E+01	0.0019 J	0.010 U	0.0041 J	0.0033 J	0.0030 J	0.0033 J	0.01 U	0.035
Cobalt	mg/L	-	-	0.050 U	0.0017 J	0.050 U	0.050 U	0.05 U	0.050 U	0.05 U	0.012 J
Copper	mg/L	-	1.23E+04	0.047	0.022 J	0.081	0.078	0.014 J	0.061	0.025 U	0.29
Cyanide (total)	mg/L	-	-	0.010 U	0.01 U	0.010 U	0.010 U	0.01 U	0.010 U	0.0022 J	0.010 U
Lead	mg/L	-	-	0.013	0.0087	0.023	0.020	0.0060	0.018	0.003 U	0.20
Manganese	mg/L	-	4.09E+03	0.067	0.052	0.13	0.15	0.015	0.023	0.015 U	0.91
Mercury	mg/L	5.69E-01	2.61E-01	0.000079 J	0.00020 U	0.0011	0.0015	0.0002 U	0.00067	0.0002 U	0.0059
Nickel	mg/L	-	2.38E+03	0.0030 J	0.04 U	0.0046 J	0.0038 J	0.04 U	0.040 U	0.04 U	0.025 J
Selenium	mg/L	-	-	0.0050 U	0.005 U	0.0050 U	0.0050 U	0.0051	0.0050 U	0.0061	0.0050 U
Silver	mg/L	-	2.34E+02	0.010 U	0.01 U	0.010 U	0.010 U	0.01 U	0.010 U	0.01 U	0.0012 J
Thallium	mg/L	-	2.15E+01	0.0010 U	0.010 U	0.0010 U	0.0010 U	0.01 U	0.0010 U	0.01 U	0.00014 J
Vanadium	mg/L	-	1.36E+02	0.00083 J	0.05 U	0.0014 J	0.0012 J	0.0016 J	0.00097 J	0.05 U	0.016 J
Zinc	mg/L	-	1.10E+05	0.22	0.11	0.23	0.22	0.066	0.15	0.02 U	1.1
PCBs											
Aroclor-1242 (PCB-1242)	mg/L	1.13E-01	1.09E-02	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.004 U
Aroclor-1248 (PCB-1248)	mg/L	1.13E-01	1.09E-02	0.0002 U	0.00021	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.004 U
Aroclor-1254 (PCB-1254)	mg/L	1.13E-01	1.09E-02	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.00011 J	0.0011	0.0002 U	0.054*
Aroclor-1260 (PCB-1260)	mg/L	1.13E-01	1.09E-02	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.0002 U	0.004 U

Notes:
U - Not present at or above the associated value.
J - Estimated concentration.
UJ - Estimated reporting limit.
R - Rejected.

SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Haley & Aldrich Inc

Lot #: A4I220230 DELPHI HARRISON THERMAL SYSTEM **Date Reported:** 9/28/04

Project Number: 79032-110

PARAMETER		RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: SE-092104-TMV-185						
Sample #: 001 Date Sampled: 09/21/04 14:30 Date Received: 09/22/04 Matrix: SOLID						
Trace Inductively Coupled Plasma (ICP) Metals TCLP						Reviewed
Silver	TCLP	ND	0.0050	mg/L	SW846 6010B	
Arsenic	**TCLP**	**0.0039 B**	**0.010**	**mg/L**	**SW846 6010B**	
Barium	**TCLP**	**1.5 B**	**10.0**	**mg/L**	**SW846 6010B**	
Cadmium	**TCLP**	**0.10**	**0.0020**	**mg/L**	**SW846 6010B**	
Chromium	**TCLP**	**0.0024 B**	**0.0050**	**mg/L**	**SW846 6010B**	
Lead	**TCLP**	**0.37**	**0.0030**	**mg/L**	**SW846 6010B**	
Selenium	TCLP	ND	0.0050	mg/L	SW846 6010B	
Mercury in Liquid Waste (Manual Cold-Vapor) TCLP						Reviewed
Mercury	**TCLP**	**0.016**	**0.010**	**mg/L**	**SW846 7470A**	

B Estimated result. Result is less than RL.

Volatile Organics by GC/MS TCLP					Reviewed
Benzene	ND	0.25	mg/L	SW846 8260B	
Carbon tetrachloride	ND	0.25	mg/L	SW846 8260B	
Chlorobenzene	ND	0.25	mg/L	SW846 8260B	
Chloroform	ND	0.25	mg/L	SW846 8260B	
1,2-Dichloroethane	ND	0.25	mg/L	SW846 8260B	
1,1-Dichloroethylene	ND	0.70	mg/L	SW846 8260B	
Methyl ethyl ketone	ND	0.50	mg/L	SW846 8260B	
Tetrachloroethylene	**5.5**	**0.70**	**mg/L**	**SW846 8260B**	
Trichloroethylene	**1.9**	**0.50**	**mg/L**	**SW846 8260B**	
Vinyl chloride	ND	0.50	mg/L	SW846 8260B	

Client Sample ID: TB-092104-001					
Sample #: 002 Date Sampled: 09/21/04 14:30 Date Received: 09/22/04 Matrix: WATER					
Volatile Organics by GC/MS					Reviewed
Acetone	**12**	**10**	**ug/L**	**SW846 8260B**	
Benzene	**0.24 J**	**1.0**	**ug/L**	**SW846 8260B**	
Bromodichloromethane	ND	1.0	ug/L	SW846 8260B	
Bromoform	ND	1.0	ug/L	SW846 8260B	
Bromomethane	ND	1.0	ug/L	SW846 8260B	

(Continued on next page)

SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: A4I220230 — **Haley & Aldrich Inc** — DELPHI HARRISON THERMAL SYSTEM — Project Number: 79032-110 — **Date Reported:** 9/28/04

Client Sample ID: TB-092104-001
Sample #: 002 Date Sampled: 09/21/04 14:30 Date Received: 09/22/04 Matrix: WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Volatile Organics by GC/MS					Reviewed
2-Butanone	**1.3 J**	**10**	**ug/L**	**SW846 8260B**	
Carbon disulfide	ND	1.0	ug/L	SW846 8260B	
Carbon tetrachloride	ND	1.0	ug/L	SW846 8260B	
Chlorobenzene	ND	1.0	ug/L	SW846 8260B	
Chloroethane	ND	1.0	ug/L	SW846 8260B	
Chloroform	ND	1.0	ug/L	SW846 8260B	
Chloromethane	ND	1.0	ug/L	SW846 8260B	
Cyclohexane	ND	1.0	ug/L	SW846 8260B	
Dibromochloromethane	ND	1.0	ug/L	SW846 8260B	
1,2-Dibromo-3-chloro-propane	ND	2.0	ug/L	SW846 8260B	
1,2-Dibromoethane	ND	1.0	ug/L	SW846 8260B	
1,2-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B	
1,3-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B	
1,4-Dichlorobenzene	ND	1.0	ug/L	SW846 8260B	
Dichlorodifluoromethane	ND	1.0	ug/L	SW846 8260B	
1,1-Dichloroethane	ND	1.0	ug/L	SW846 8260B	
1,2-Dichloroethane	ND	1.0	ug/L	SW846 8260B	
1,1-Dichloroethene	**0.25 J**	**1.0**	**ug/L**	**SW846 8260B**	
cis-1,2-Dichloroethene	ND	0.50	ug/L	SW846 8260B	
trans-1,2-Dichloroethene	ND	0.50	ug/L	SW846 8260B	
1,2-Dichloropropane	ND	1.0	ug/L	SW846 8260B	
cis-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B	
trans-1,3-Dichloropropene	ND	1.0	ug/L	SW846 8260B	
Ethylbenzene	ND	1.0	ug/L	SW846 8260B	
2-Hexanone	ND	10	ug/L	SW846 8260B	
Isopropylbenzene	ND	1.0	ug/L	SW846 8260B	
Methyl acetate	ND	10	ug/L	SW846 8260B	
Methylene chloride	ND	1.0	ug/L	SW846 8260B	
Methylcyclohexane	ND	1.0	ug/L	SW846 8260B	
4-Methyl-2-pentanone	ND	10	ug/L	SW846 8260B	
Methyl tert-butyl ether	ND	5.0	ug/L	SW846 8260B	
Styrene	ND	1.0	ug/L	SW846 8260B	
1,1,2,2-Tetrachloroethane	ND	1.0	ug/L	SW846 8260B	
Tetrachloroethene	**0.80 J**	**1.0**	**ug/L**	**SW846 8260B**	
Toluene	ND	1.0	ug/L	SW846 8260B	
1,2,4-Trichloro-benzene	ND	1.0	ug/L	SW846 8260B	

(Continued on next page)

SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Haley & Aldrich Inc

Lot #: A4I220230 DELPHI HARRISON THERMAL SYSTEM **Date Reported:** 9/28/04

Project Number: 79032-110

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: TB-092104-001					
Sample #: 002 Date Sampled: 09/21/04 14:30 Date Received: 09/22/04 Matrix: WATER					
Volatile Organics by GC/MS					Reviewed
1,1,1-Trichloroethane	ND	1.0	ug/L	SW846 8260B	
1,1,2-Trichloroethane	ND	1.0	ug/L	SW846 8260B	
Trichloroethene	ND	1.0	ug/L	SW846 8260B	
Trichlorofluoromethane	ND	1.0	ug/L	SW846 8260B	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	1.0	ug/L	SW846 8260B	
Vinyl chloride	ND	1.0	ug/L	SW846 8260B	
Xylenes (total)	ND	1.0	ug/L	SW846 8260B	

J Estimated result. Result is less than RL.

Toxicity Characteristic Leaching Procedure Levels
Delphi Harrison Dayton, Dayton Ohio

Contaminant	CAS No.	Regulatory Level (mg/L)
Arsenic	7440-38-2	5.0
Barium	7440-39-3	100.0
Benzene	71-43-2	0.5
Cadmium	7440-43-9	1.0
Carbon teterachloride	56-23-5	0.5
Chlordane	57-74-9	0.03
Chlorobenzene	108-90-7	100.0
Chloroform	67-66-3	6.0
Chromium	7440-47-3	5.0
o-Cresol	95-48-7	200.0
m-Cresol	108-39-4	200.0
p-Cresol	106-44-5	200.0
Cresol		200.0
2,4-D	94-75-7	10.0
1,4-Dichlorobenzene	106-46-7	7.5
1,2-Dichloroethane	107-06-2	0.5
1,1-Dicholoroethylene	75-35-4	0.7
2,4-Dinitrotoluene	121-14-2	0.13
Endrin	72-20-8	0.02
Heptachlor (and its epoxide)	76-44-8	0.008
Hexachlorobenzene	118-74-1	0.13
Hexachlorobutadiene	87-68-3	0.5
Hexachloroethane	67-72-1	3.0
Lead	7439-97-6	5.0
Lindane	58-89-9	0.4
Mercury	7439-97-6	0.2
Methoxychlor	72-43-5	10.0
Methyl ethyl ketone	78-93-3	200.0
Nitrobenzene	98-95-3	2.0
Pentachlorophenol	87-86-5	100.0
Pyridine	110-86-1	5.0
Selenium	7782-49-2	1.0
Silver	7440-22-4	5.0
Tetrachlorethylene	127-18-4	0.7
Toxaphene	8001-35-2	0.5
Trichloroethylene	79-01-6	0.5
2,4,5 - Trichlorophenol	95-95-4	400.0
2,4,6-Trichlorphenol	88-06-2	2.0
2,4,5-TP (Silvex)	93-72-1	1.0
Vinyl Chloride	75-01-4	0.2

TABLE 2a

ANALYTICAL RESULTS SUMMARY
RECENT SEWER INVESTIGATION - SEDIMENT
GM HARRISON DAYTON

Sample Location:		MH-1	MH-2	MH-3	MH-4	MH-10	MH-10	MH-13	MH-17	MH-17	MH-27
Sample ID:		SESS-101005-LB-001	SESS-101005-LB-002	SESS-101005-LB-003	SESS-101005-LB-004	SESS-102405-JC-0009	SESS-102405-JC-0010	SESS-102405-JC-0011	SE-062705-DN-0002	SESS-102005-NZ-0003	SESS-102005-NZ-0007
Sample Date:		10/10/2005	10/10/2005	10/10/2005	10/10/2005	10/24/2005	10/24/2005	10/24/2005	6/27/2005	10/20/2005	10/20/2005
Sample Matrix:		SESS	SESS	SESS	SESS	SESS	SESS	SESS	SESS	SESS	SESS
							Duplicate				
Parameters	Units								Validated		
Volatile Organic Compounds											
1,1,1-Trichloroethane	ug/kg	13 U	7.9 U	6.0 U	7.8 U	6.1 U	7.0 U	430 U	5.5 U	5.4 U	4.7 U
1,1,2,2-Tetrachloroethane	ug/kg	13 U	7.9 U	6.0 U	7.8 U	6.1 U	7.0 U	430 U	5.5 U	5.4 U	4.7 U
1,1,2-Trichloroethane	ug/kg	13 U	7.9 U	6.0 U	7.8 U	6.1 U	7.0 U	430 U	5.5 UJ	5.4 U	4.7 U
1,1-Dichloroethane	ug/kg	13 U	7.9 U	6.0 U	7.8 U	6.1 U	7.0 U	430 U	5.5 U	5.4 U	4.7 U
1,1-Dichloroethene	ug/kg	13 U	7.9 U	6.0 U	7.8 U	6.1 U	7.0 U	23 J	5.5 U	5.4 U	4.7 U
1,2,4-Trichlorobenzene	ug/kg	13 U	7.9 U	6.0 U	7.8 U	6.1 U	7.0 U	430 U	5.5 U	5.4 U	4.7 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	26 U	16 U	12 U	16 U	12 U	14 U	850 U	11 U	11 U	9.5 U
1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	13 U	7.9 U	6.0 U	7.8 U	6.1 U	7.0 U	430 U	5.5 U	5.4 U	4.7 U
1,2-Dichlorobenzene	ug/kg	13 U	7.9 U	6.0 U	7.8 U	6.1 U	7.0 U	430 U	5.5 U	5.4 U	4.7 U
1,2-Dichloroethane	ug/kg	13 U	7.9 U	6.0 U	7.8 U	6.1 U	7.0 U	430 U	5.5 U	5.4 U	4.7 U
1,2-Dichloropropane	ug/kg	13 U	7.9 U	6.0 U	7.8 U	6.1 U	7.0 U	430 U	5.5 U	5.4 U	4.7 U
1,3-Dichlorobenzene	ug/kg	13 U	7.9 U	6.0 U	7.8 U	6.1 U	7.0 U	430 U	5.5 U	5.4 U	4.7 U
1,4-Dichlorobenzene	ug/kg	13 U	7.9 U	6.0 U	7.8 U	6.1 U	7.0 U	430 U	5.5 U	5.4 U	4.7 U
2-Butanone (Methyl Ethyl Ketone)	ug/kg	52 U	31 U	24 U	3.1 J	24 U	28 U	1700 U	22 U	21 U	1.0 J
2-Hexanone	ug/kg	52 U	31 U	24 U	31 U	24 U	28 U	1700 U	22 U	21 U	19 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/kg	52 U	31 U	24 U	31 U	24 U	28 U	1700 U	22 U	21 U	19 U
Acetone	ug/kg	52 U	31 U	24 U	14 J	24 U	28 U	240 J B	22 UJ	21 U	230
Benzene	ug/kg	13 U	7.9 U	6.0 U	0.66 J	6.1 U	7.0 U	430 U	5.5 U	5.4 U	4.7 U
Bromodichloromethane	ug/kg	13 U	7.9 U	6.0 U	7.8 U	6.1 U	7.0 U	430 U	5.5 U	5.4 U	4.7 U
Bromoform	ug/kg	13 U	7.9 U	6.0 U	7.8 U	6.1 U	7.0 U	430 U	5.5 U	5.4 U	4.7 U
Bromomethane (Methyl Bromide)	ug/kg	13 U	7.9 U	6.0 U	7.8 U	6.1 U	7.0 U	430 U	5.5 UJ	5.4 U	4.7 U
Carbon disulfide	ug/kg	13 U	7.9 U	6.0 U	1.8 J	6.1 U	7.0 U	430 U	5.5 U	5.4 U	4.7 U
Carbon tetrachloride	ug/kg	13 U	7.9 U	6.0 U	7.8 U	6.1 U	7.0 U	430 U	5.5 U	5.4 U	4.7 U
Chlorobenzene	ug/kg	13 U	7.9 U	6.0 U	7.8 U	6.1 U	7.0 U	430 U	5.5 U	5.4 U	4.7 U
Chloroethane	ug/kg	13 U	7.9 U	6.0 U	7.8 U	6.1 U	7.0 U	430 U	5.5 U	5.4 U	4.7 U
Chloroform (Trichloromethane)	ug/kg	13 U	7.9 U	6.0 U	7.8 U	6.1 U	7.0 U	430 U	5.5 U	5.4 U	4.7 U
Chloromethane (Methyl Chloride)	ug/kg	13 U	7.9 U	6.0 U	7.8 U	6.1 U	7.0 U	430 U	5.5 U	5.4 U	4.7 U
cis-1,2-Dichloroethene	ug/kg	13 U	7.9 U	6.0 U	7.8 U	6.1 U	7.0 U	430 U	5.5 U	5.4 U	4.7 U
cis-1,3-Dichloropropene	ug/kg	13 U	7.9 U	6.0 U	6.1 J	1.0 J	0.95 J	9500	5.5 U	5.4 U	4.7 U
Cyclohexane	ug/kg	26 U	16 U	12 U	0.80 J	12 U	14 U	850 U	11 U	11 U	9.5 U
Dibromochloromethane	ug/kg	13 U	7.9 U	6.0 U	7.8 U	6.1 U	7.0 U	430 U	5.5 U	5.4 U	4.7 U
Dichlorodifluoromethane (CFC-12)	ug/kg	13 U	7.9 U	6.0 U	7.8 U	6.1 U	7.0 U	430 U	5.5 U	5.4 U	4.7 U
Ethylbenzene	ug/kg	13 U	7.9 U	6.0 U	7.8 U	6.1 U	7.0 U	34 J	5.5 U	5.4 U	4.7 U
Isopropylbenzene	ug/kg	13 U	7.9 U	6.0 U	7.8 U	6.1 U	7.0 U	430 U	5.5 U	5.4 U	4.7 U
Methyl acetate	ug/kg	26 U	16 U	12 U	16 U	12 U	14 U	340 J B	11 U	11 U	9.5 U
Methyl cyclohexane	ug/kg	26 U	16 U	12 U	16 U	12 U	14 U	140 J	11 U	11 U	9.5 U
Methyl Tert Butyl Ether	ug/kg	52 U	31 U	24 U	31 U	24 U	28 U	1700 U	22 U	21 U	19 U
Methylene chloride	ug/kg	6.8 J B	3.6 J B	6.0 U	4.9 J B	6.1 U	7.0 U	430 U	7.6 U	5.4 U	4.7 U
Styrene	ug/kg	13 U	7.9 U	6.0 U	7.8 U	6.1 U	7.0 U	93 J	5.5 U	5.4 U	4.7 U
Tetrachloroethene	ug/kg	13 U	7.9 U	6.0 U	7.5 J	4.2 J	6.1 J	3500	5.5 U	1.6 J	0.80 J
Toluene	ug/kg	13 U	7.9 U	6.0 U	0.79 J	6.1 U	7.0 U	40 J	5.5 U	5.4 U	0.47 J
trans-1,2-Dichloroethene	ug/kg	13 U	7.9 U	6.0 U	7.8 U	6.1 U	7.0 U	38 J	5.5 U	5.4 U	4.7 U
trans-1,3-Dichloropropene	ug/kg	13 U	7.9 U	6.0 U	7.8 U	6.1 U	7.0 U	430 U	5.5 U	5.4 U	4.7 U
Trichloroethene	ug/kg	13 U	0.92 J	6.0 U	3.5 J	1.0 J	0.96 J	680	0.48 J	15	0.85 J
Trichlorofluoromethane (CFC-11)	ug/kg	210	7.9 U	1.4 J	2.5 J	1.3 J	1.6 J	430 U	5.5 U	5.4 U	4.7 U
Trifluorotrichloroethane (Freon 113)	ug/kg	13 U	7.9 U	6.0 U	7.8 U	6.1 U	7.0 U	430 U	5.5 U	5.4 U	4.7 U
Vinyl chloride	ug/kg	13 U	7.9 U	6.0 U	7.8 U	6.1 U	7.0 U	2900	5.5 U	5.4 U	4.7 U
Xylene (total)	ug/kg	26 U	16 U	12 U	16 U	12 U	14 U	100 J	11 U	11 U	1.8 J

ANALYTICAL RESULTS SUMMARY
RECENT SEWER INVESTIGATION - SEDIMENT
GM HARRISON DAYTON

Sample Location:		*MH-1*	*MH-2*	*MH-3*	*MH-4*	*MH-10*	*MH-10*	*MH-13*	*MH-17*	*MH-17*	*MH-27*
Sample ID:		*SESS-101005-LB-001*	*SESS-101005-LB-002*	*SESS-101005-LB-003*	*SESS-101005-LB-004*	*SESS-102405-JC-0009*	*SESS-102405-JC-0010*	*SESS-102405-JC-0011*	*SE-062705-DN-0002*	*SESS-102005-NZ-0003*	*SESS-102005-NZ-0007*
Sample Date:		*10/10/2005*	*10/10/2005*	*10/10/2005*	*10/10/2005*	*10/24/2005*	*10/24/2005*	*10/24/2005*	*6/27/2005*	*10/20/2005*	*10/20/2005*
Sample Matrix:		*SESS*	*SESS*	*SESS*	*SESS*	*SESS*	*SESS*	*SESS*	*SESS*	*SESS*	*SESS*
							Duplicate				
Parameters	*Units*								*Validated*		
Semi-Volatile Organic Compounds											
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/kg	11000 U	4100 U	4100 U	100000 U	1600 U	2100 U	22000 U	720 U	1900 U	7800 U
2,4,5-Trichlorophenol	ug/kg	11000 U	4100 U	4100 U	100000 U	1600 U	2100 U	22000 U	720 U	1900 U	7800 U
2,4,6-Trichlorophenol	ug/kg	11000 U	4100 U	4100 U	100000 U	1600 U	2100 U	22000 U	720 U	1900 U	7800 U
2,4-Dichlorophenol	ug/kg	11000 U	4100 U	4100 U	100000 U	1600 U	2100 U	22000 U	720 U	1900 U	7800 U
2,4-Dimethylphenol	ug/kg	11000 U	4100 U	4100 U	100000 U	1600 U	2100 U	22000 U	720 U	1900 U	7800 U
2,4-Dinitrophenol	ug/kg	55000 U	20000 U	20000 U	500000 U	7900 U	9900 U	110000 U	3500 U	9100 U	38000 U
2,4-Dinitrotoluene	ug/kg	11000 U	4100 U	4100 U	100000 U	1600 U	2100 U	22000 U	720 U	1900 U	7800 U
2,6-Dinitrotoluene	ug/kg	11000 U	4100 U	4100 U	100000 U	1600 U	2100 U	22000 U	720 U	1900 U	7800 U
2-Chloronaphthalene	ug/kg	11000 U	4100 U	4100 U	100000 U	1600 U	2100 U	22000 U	720 U	1900 U	7800 U
2-Chlorophenol	ug/kg	11000 U	4100 U	4100 U	100000 U	1600 U	2100 U	22000 U	720 U	1900 U	7800 U
2-Methylnaphthalene	ug/kg	660 J	270 J	4100 U	100000 U	1600 U	97 J	1200 J	720 U	69 J	330 J
2-Methylphenol	ug/kg	11000 U	4100 U	4100 U	100000 U	1600 U	2100 U	22000 U	720 U	1900 U	7800 U
2-Nitroaniline	ug/kg	55000 U	20000 U	20000 U	500000 U	7900 U	9900 U	110000 U	3500 U	9100 U	38000 U
2-Nitrophenol	ug/kg	11000 U	4100 U	4100 U	100000 U	1600 U	2100 U	22000 U	720 U	1900 U	7800 U
3,3'-Dichlorobenzidine	ug/kg	55000 U	20000 U	20000 U	500000 U	7900 U	9900 U	110000 U	3500 UJ	9100 U	38000 U
3-Nitroaniline	ug/kg	55000 U	20000 U	20000 U	500000 U	7900 U	9900 U	110000 U	3500 U	9100 U	38000 U
4,6-Dinitro-2-methylphenol	ug/kg	55000 U	20000 U	20000 U	500000 U	7900 U	9900 U	110000 U	3500 U	9100 U	38000 U
4-Bromophenyl phenyl ether	ug/kg	11000 U	4100 U	4100 U	100000 U	1600 U	2100 U	22000 U	720 U	1900 U	7800 U
4-Chloro-3-methylphenol	ug/kg	11000 U	4100 U	4100 U	100000 U	1600 U	2100 U	22000 U	720 U	1900 U	7800 U
4-Chloroaniline	ug/kg	11000 U	4100 U	4100 U	100000 U	1600 U	2100 U	22000 U	720 U	1900 U	7800 U
4-Chlorophenyl phenyl ether	ug/kg	11000 U	4100 U	4100 U	100000 U	1600 U	2100 U	22000 U	720 U	1900 U	7800 U
4-Methylphenol	ug/kg	11000 U	4100 U	4100 U	100000 U	1600 U	2100 U	22000 U	720 U	1900 U	7800 U
4-Nitroaniline	ug/kg	55000 U	20000 U	20000 U	500000 U	7900 U	9900 U	110000 U	3500 U	9100 U	38000 U
4-Nitrophenol	ug/kg	55000 U	20000 U	20000 U	500000 U	7900 U	9900 U	110000 U	3500 U	9100 U	38000 U
Acenaphthene	ug/kg	2900 J	1700 J	310 J	100000 U	1600 U	2100 U	3300 J	58 J	390 J	1600 J
Acenaphthylene	ug/kg	11000 U	4100 U	4100 U	100000 U	1600 U	2100 U	22000 U	91 J	170 J	160 J
Acetophenone	ug/kg	11000 U	4100 U	4100 U	100000 U	1600 U	2100 U	22000 U	720 U	1900 U	7800 U
Anthracene	ug/kg	6400 J	3600 J	750 J	100000 U	54 J	490 J	5600 J	220 J	940 J	2100 J
Atrazine	ug/kg	11000 U	4100 U	4100 U	100000 U	1600 U	2100 U	22000 U	720 U	1900 U	7800 U
Benzaldehyde	ug/kg	11000 U	4100 U	4100 U	100000 U	1600 U	2100 U	22000 U	720 U	1900 U	7800 U
Benzo(a)anthracene	ug/kg	18000	7700	1600 J	7900 J	190 J	1200 J	13000 J	850 J	3100	8100
Benzo(a)pyrene	ug/kg	16000	6500	1600 J	6900 J	120 J	790 J	9000 J	920	3000	7900
Benzo(b)fluoranthene	ug/kg	20000	7600	2000 J	7600 J	210 J	1200 J	11000 J	1600	4600	12000
Benzo(g,h,i)perylene	ug/kg	9300 J	3600 J	950 J	4100 J	100 J	520 J	5900 J	740	2100	5000 J
Benzo(k)fluoranthene	ug/kg	10000 J	4200	1100 J	4900 J	71 J	460 J	4500 J	490 J	1700 J	4800 J
Biphenyl	ug/kg	11000 U	4100 U	4100 U	100000 U	1600 U	2100 U	22000 U	720 U	1900 U	7800 U
bis(2-Chloroethoxy)methane	ug/kg	11000 U	4100 U	4100 U	100000 U	1600 U	2100 U	22000 U	720 U	1900 U	7800 U
bis(2-Chloroethyl)ether	ug/kg	11000 U	4100 U	4100 U	100000 U	1600 U	340 J	22000 U	720 U	1900 U	7800 U
bis(2-Ethylhexyl)phthalate	ug/kg	7100 J	2100 J	900 J	1400000	490 J	680 J	20000 J	530 J	2100 B	660 J B
Butyl benzylphthalate	ug/kg	1000 J	4100 U	4100 U	100000 U	1600 U	530 J	22000 U	720 UJ	1900 U	7800 U
Caprolactam	ug/kg	11000 U	4100 U	4100 U	100000 U	110 J B	140 J B	22000 U	720 U	1900 U	7800 U
Carbazole	ug/kg	5100 J	2500 J	470 J	100000 U	1600 U	320 J	4000 J	170 J	560 J	2600 J
Chrysene	ug/kg	19000	7200	1800 J	7500 J	220 J	1200 J	14000 J	1000 J	3200	9700
Dibenz(a,h)anthracene	ug/kg	2300 J	840 J	250 J	100000 U	1600 U	110 J	1400 J	150 J	240 J	1000 J
Dibenzofuran	ug/kg	2100 J	1200 J	230 J	100000 U	1600 U	190 J	3100 J	47 J	260 J	1000 J
Diethyl phthalate	ug/kg	11000 U	4100 U	4100 U	100000 U	1600 U	2100 U	22000 U	720 U	1900 U	7800 U
Dimethyl phthalate	ug/kg	11000 U	4100 U	4100 U	100000 U	1600 U	2100 U	22000 U	720 U	1900 U	7800 U
Di-n-butylphthalate	ug/kg	11000 U	4100 U	4100 U	100000 U	1600 U	2100 U	22000 U	720 U	1900 U	7800 U

TABLE 2a

ANALYTICAL RESULTS SUMMARY
RECENT SEWER INVESTIGATION - SEDIMENT
GM HARRISON DAYTON

Sample Location:		*MH-1*	*MH-2*	*MH-3*	*MH-4*	*MH-10*	*MH-10*	*MH-13*	*MH-17*	*MH-17*	*MH-27*
Sample ID:		*SESS-101005-LB-001*	*SESS-101005-LB-002*	*SESS-101005-LB-003*	*SESS-101005-LB-004*	*SESS-102405-JC-0009*	*SESS-102405-JC-0010*	*SESS-102405-JC-0011*	*SE-062705-DN-0002*	*SESS-102005-NZ-0003*	*SESS-102005-NZ-0007*
Sample Date:		*10/10/2005*	*10/10/2005*	*10/10/2005*	*10/10/2005*	*10/24/2005*	*10/24/2005*	*10/24/2005*	*6/27/2005*	*10/20/2005*	*10/20/2005*
Sample Matrix:		*SESS*	*SESS*	*SESS*	*SESS*	*SESS*	*SESS*	*SESS*	*SESS*	*SESS*	*SESS*
							Duplicate				
Parameters	*Units*								*Validated*		
Di-n-octyl phthalate	ug/kg	11000 U	4100 U	4100 U	230000	1600 U	2100 U	22000 U	720 U	1900 U	7800 U
Fluoranthene	ug/kg	48000	20000	4500	20000 J	430 J	2600	32000	1900	7500	29000
Fluorene	ug/kg	3300 J	2000 J	370 J	100000 U	1600 U	330 J	4400 J	66 J	350 J	1000 J
Hexachlorobenzene	ug/kg	11000 U	4100 U	4100 U	100000 U	1600 U	2100 U	22000 U	720 U	1900 U	7800 U
Hexachlorobutadiene	ug/kg	11000 U	4100 U	4100 U	100000 U	1600 U	2100 U	22000 U	720 U	1900 U	7800 U
Hexachlorocyclopentadiene	ug/kg	55000 U	20000 U	20000 U	500000 U	7900 U	9900 U	110000 U	3500 UJ	9100 U	38000 U
Hexachloroethane	ug/kg	11000 U	4100 U	4100 U	100000 U	1600 U	2100 U	22000 U	720 U	1900 U	7800 U
Indeno(1,2,3-cd)pyrene	ug/kg	7800 J	3200 J	830 J	100000 U	85 J	420 J	5200 J	650 J	1800 J	4700 J
Isophorone	ug/kg	11000 U	4100 U	4100 U	100000 U	1600 U	2100 U	22000 U	720 U	1900 U	7800 U
Naphthalene	ug/kg	690 J	280 J	4100 U	100000 U	1600 U	130 J	2100 J	35 J	160 J	980 J
Nitrobenzene	ug/kg	11000 U	4100 U	4100 U	100000 U	1600 U	2100 U	22000 U	720 U	1900 U	7800 U
N-Nitrosodi-n-propylamine	ug/kg	11000 U	4100 U	4100 U	100000 U	1600 U	2100 U	22000 U	720 U	1900 U	7800 U
N-Nitrosodiphenylamine	ug/kg	11000 U	4100 U	4100 U	100000 U	1600 U	2100 U	22000 U	720 U	1900 U	7800 U
Pentachlorophenol	ug/kg	11000 U	4100 U	4100 U	100000 U	1600 U	2100 U	22000 U	720 U	1900 U	7800 U
Phenanthrene	ug/kg	34000	17000	3300 J	18000 J	260 J	2100	31000	970	4400	21000
Phenol	ug/kg	11000 U	4100 U	4100 U	100000 U	1600 U	2100 U	22000 U	720 U	1900 U	7800 U
Pyrene	ug/kg	37000	15000	3300 J	15000 J	380 J	2300	28000	1700 J	6200	21000
Metals											
Antimony	ug/kg	1000 B	730 B	450 B	1400 B	1200 B	7500 U	6500 B	8300 J	11700 B G	1800 B
Arsenic	ug/kg	5700	4400	4400	6100	5900	3500	8500	9100	6800	6200
Barium	ug/kg	127000 J	84100 J	69600 J	440000 J	108000	29500	445000	41100	290000	89500
Beryllium	ug/kg	860 U	620 U	260 B	770 U	610 U	93 B	180 B	10900 U	120 B	44 B
Cadmium	ug/kg	5900	6400	6000	5300	2600	1800	12300	3300 J	8100	39600
Chromium Total	ug/kg	54800 J	106000 J	119000 J	82100 J	42700	7500	163000	452000	403000	98100
Cobalt	ug/kg	4100 B	5800 B	5200 B	5200 B	12600	8200	16100	22500	21000	3500 B
Copper	ug/kg	126000	127000	173000	430000	160000	41700	1690000	104000	177000	89000
Cyanide (total)	ug/kg	860 U	620 U	630 U	390 B	-	-	-	550 U	-	-
Lead	ug/kg	145000	80500	108000	222000	104000 J	136000 J	4370000 J	29000	129000 J	303000 J
Manganese	ug/kg	216000 J	448000 J	357000 J	343000 J	282000 J	343000 J	592000 J	2350000	1890000 J	221000 J
Mercury	ug/kg	560	220	390	410	650	2800	44200	220	920	97 B
Nickel	ug/kg	20400	81600	94800	55400	21700	5300	44800	43300	60300	11800
Selenium	ug/kg	240 B	620 U	630 U	280 B	610 U	130 B	220 B	110 J	140 B	350 B
Silver	ug/kg	570 B	1200 U	1300 U	1400 B	500 B	1200 U	10800	21800 U	4600	350 B
Thallium	ug/kg	63 B	25 B	51 B	140 B	43 B	25 B	120 B	60 J	72 B J	120 B J
Vanadium	ug/kg	9400	12200	9500	14400	9800	6100 B	17800	14400 J	13800 B G	6500
Zinc	ug/kg	2370000	330000	170000	1060000	834000 J	252000 J	1610000 J	1060000	2070000 J	994000 J
PCBs											
Aroclor-1016 (PCB-1016)	ug/kg	5700 U	41 U	41 U	51 U	81 U	82 U	280 U	180 U	750 U	39 U
Aroclor-1221 (PCB-1221)	ug/kg	5700 U	41 U	41 U	51 U	81 U	82 U	280 U	180 U	750 U	39 U
Aroclor-1232 (PCB-1232)	ug/kg	5700 U	41 U	41 U	51 U	81 U	82 U	280 U	180 U	750 U	39 U
Aroclor-1242 (PCB-1242)	ug/kg	81000	41 U	41 U	51 U	81 U	82 U	280 U	180 U	750 U	39 U
Aroclor-1248 (PCB-1248)	ug/kg	5700 U	310	250	170	81 U	82 U	280 U	180 U	750 U	39 U
Aroclor-1254 (PCB-1254)	ug/kg	5700 U	41 U	41 U	51 U	790	780	4500	1900	6600	200
Aroclor-1260 (PCB-1260)	ug/kg	5700 U	240	200	310	81 U	82 U	280 U	180 U	750 U	39 U
Total PCBs	ug/kg	-	-	-	-	-	-	-	1900	-	-
General Chemistry											

ANALYTICAL RESULTS SUMMARY
RECENT SEWER INVESTIGATION - SEDIMENT
GM HARRISON DAYTON

Sample Location:		*MH-1*	*MH-2*	*MH-3*	*MH-4*	*MH-10*	*MH-10*	*MH-13*	*MH-17*	*MH-17*	*MH-27*
Sample ID:		*SESS-101005-LB-001*	*SESS-101005-LB-002*	*SESS-101005-LB-003*	*SESS-101005-LB-004*	*SESS-102405-JC-0009*	*SESS-102405-JC-0010*	*SESS-102405-JC-0011*	*SE-062705-DN-0002*	*SESS-102005-NZ-0003*	*SESS-102005-NZ-0007*
Sample Date:		*10/10/2005*	*10/10/2005*	*10/10/2005*	*10/10/2005*	*10/24/2005*	*10/24/2005*	*10/24/2005*	*6/27/2005*	*10/20/2005*	*10/20/2005*
Sample Matrix:		*SESS*	*SESS*	*SESS*	*SESS*	*SESS*	*SESS*	*SESS*	*SESS*	*SESS*	*SESS*
							Duplicate				
Parameters	*Units*								*Validated*		
Total Solids	%	58.4	80.0	79.7	64.6	81.4	80.4	59.7	91.6	87.8	84.5

Notes:

U - Not present at or above the associated value.

J - Estimated value.

UJ - Estimated reporting limit.

R - Rejected.

TABLE 2a

ANALYTICAL RESULTS SUMMARY
RECENT SEWER INVESTIGATION - SEDIMENT
GM HARRISON DAYTON

Sample Location:		*MH-28*	*MH-34*	*mh-35*	*mh-35*	*mh-36*	*mh-36*	*MH-38*	*MH-39*
Sample ID:		*SESS-102005-NZ-0006*	*SESS-102405-JC-0008*	*SE-062705-DN-0003*	*SESS-102005-NZ-0004*	*SE-062705-DN-0001*	*SESS-102005-NZ-0005*	*SESS-102005-NZ-0002*	*SESS-102005-NZ-0001*
Sample Date:		*10/20/2005*	*10/24/2005*	*6/27/2005*	*10/20/2005*	*6/27/2005*	*10/20/2005*	*10/20/2005*	*10/20/2005*
Sample Matrix:		*SESS*	*SESS*	*SESS*	*SESS*	*SESS*	*SESS*	*SESS*	*SESS*
Parameters	*Units*			*Validated*		*Validated*			
Volatile Organic Compounds									
1,1,1-Trichloroethane	ug/kg	6.3 U	6.5 U	5.6 U	6.0 U	6.3 UJ	4.4 U	5.3 U	320 U
1,1,2,2-Tetrachloroethane	ug/kg	6.3 U	6.5 U	5.6 U	6.0 U	6.3 UJ	4.4 U	5.3 U	320 U
1,1,2-Trichloroethane	ug/kg	6.3 U	6.5 U	5.6 UJ	6.0 U	6.3 UJ	4.4 U	5.3 U	320 U
1,1-Dichloroethane	ug/kg	6.3 U	6.5 U	5.6 U	6.0 U	6.3 UJ	4.4 U	5.3 U	320 U
1,1-Dichloroethene	ug/kg	6.3 U	6.5 U	5.6 U	6.0 U	6.3 UJ	4.4 U	5.3 U	320 U
1,2,4-Trichlorobenzene	ug/kg	6.3 U	6.5 U	5.6 U	6.0 U	6.3 UJ	4.4 U	5.3 U	320 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/kg	13 U	13 U	11 U	12 U	13 UJ	8.8 U	11 U	640 U
1,2-Dibromoethane (Ethylene Dibromide)	ug/kg	6.3 U	6.5 U	5.6 U	6.0 U	6.3 UJ	4.4 U	5.3 U	320 U
1,2-Dichlorobenzene	ug/kg	6.3 U	6.5 U	5.6 U	6.0 U	6.3 UJ	4.4 U	5.3 U	320 U
1,2-Dichloroethane	ug/kg	6.3 U	6.5 U	5.6 U	6.0 U	6.3 UJ	4.4 U	5.3 U	320 U
1,2-Dichloropropane	ug/kg	6.3 U	6.5 U	5.6 U	6.0 U	6.3 UJ	4.4 U	5.3 U	320 U
1,3-Dichlorobenzene	ug/kg	6.3 U	6.5 U	5.6 U	6.0 U	6.3 UJ	4.4 U	5.3 U	320 U
1,4-Dichlorobenzene	ug/kg	6.3 U	6.5 U	5.6 U	6.0 U	6.3 UJ	4.4 U	5.3 U	320 U
2-Butanone (Methyl Ethyl Ketone)	ug/kg	25 U	26 U	22 U	24 U	20 J	29	21 U	1300 U
2-Hexanone	ug/kg	25 U	26 U	22 U	24 U	25 UJ	10 J	21 U	1300 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/kg	25 U	26 U	22 U	24 U	3.6 J	7.1 J	21 U	1300 U
Acetone	ug/kg	25 U	26 U	22 UJ	4.6 J	71 J	130	21 U	190 J B
Benzene	ug/kg	6.3 U	6.5 U	5.6 U	6.0 U	6.3 UJ	0.28 J	5.3 U	320 U
Bromodichloromethane	ug/kg	6.3 U	6.5 U	5.6 U	6.0 U	6.3 UJ	4.4 U	5.3 U	320 U
Bromoform	ug/kg	6.3 U	6.5 U	5.6 U	6.0 U	6.3 UJ	4.4 U	5.3 U	320 U
Bromomethane (Methyl Bromide)	ug/kg	6.3 U	6.5 U	5.6 UJ	6.0 U	6.3 UJ	4.4 U	5.3 U	320 U
Carbon disulfide	ug/kg	6.3 U	6.5 U	5.6 U	6.0 U	1.0 J	4.4 U	5.3 U	320 U
Carbon tetrachloride	ug/kg	6.3 U	6.5 U	5.6 U	6.0 U	6.3 UJ	4.4 U	5.3 U	320 U
Chlorobenzene	ug/kg	6.3 U	6.5 U	5.6 U	6.0 U	6.3 UJ	4.4 U	5.3 U	320 U
Chloroethane	ug/kg	6.3 U	6.5 U	5.6 U	6.0 U	6.3 UJ	4.4 U	5.3 U	320 U
Chloroform (Trichloromethane)	ug/kg	6.3 U	6.5 U	5.6 U	6.0 U	6.3 UJ	4.4 U	5.3 U	320 U
Chloromethane (Methyl Chloride)	ug/kg	6.3 U	6.5 U	5.6 U	6.0 U	6.3 UJ	4.4 U	5.3 U	320 U
cis-1,2-Dichloroethene	ug/kg	6.3 U	0.56 J	5.6 U	6.0 U	0.69 J	0.80 J	5.3 U	320 U
cis-1,3-Dichloropropene	ug/kg	6.3 U	6.5 U	5.6 U	6.0 U	6.3 UJ	4.4 U	5.3 U	320 U
Cyclohexane	ug/kg	13 U	13 U	11 U	12 U	13 UJ	8.8 U	11 U	640 U
Dibromochloromethane	ug/kg	6.3 U	6.5 U	5.6 U	6.0 U	6.3 UJ	4.4 U	5.3 U	320 U
Dichlorodifluoromethane (CFC-12)	ug/kg	6.3 U	6.5 U	5.6 U	6.0 U	6.3 UJ	4.4 U	5.3 U	320 U
Ethylbenzene	ug/kg	6.3 U	6.5 U	5.6 U	6.0 U	6.3 UJ	3.5 J	5.3 U	320 U
Isopropylbenzene	ug/kg	6.3 U	6.5 U	5.6 U	6.0 U	6.3 UJ	4.4 U	5.3 U	320 U
Methyl acetate	ug/kg	13 U	13 U	11 U	12 U	13 UJ	8.8 U	11 U	350 J B
Methyl cyclohexane	ug/kg	13 U	13 U	11 U	12 U	13 UJ	8.8 U	11 U	26 J
Methyl Tert Butyl Ether	ug/kg	25 U	26 U	22 U	24 U	25 UJ	18 U	21 U	1300 U
Methylene chloride	ug/kg	6.3 U	6.5 U	5.6 U	6.0 U	11 UJ	2.0 J	5.3 U	320 U
Styrene	ug/kg	6.3 U	6.5 U	5.6 U	6.0 U	6.3 UJ	4.4 U	5.3 U	320 U
Tetrachloroethene	ug/kg	2.4 J	17	1.2 J	6.0 U	20 J	8.3	3.1 J	6700
Toluene	ug/kg	6.3 U	6.5 U	5.6 U	6.0 U	6.3 UJ	4.0 J	0.62 J	320 U
trans-1,2-Dichloroethene	ug/kg	6.3 U	6.5 U	5.6 U	6.0 U	6.3 UJ	4.4 U	5.3 U	320 U
trans-1,3-Dichloropropene	ug/kg	6.3 U	6.5 U	5.6 U	6.0 U	6.3 UJ	4.4 U	5.3 U	320 U
Trichloroethene	ug/kg	0.93 J	9.1	5.6 U	6.0 U	10 J	6.7	1.3 J	780
Trichlorofluoromethane (CFC-11)	ug/kg	6.3 U	6.5 U	5.6 U	6.0 U	6.3 UJ	4.4 U	5.3 U	320 U
Trifluorotrichloroethane (Freon 113)	ug/kg	6.3 U	6.5 U	5.6 U	6.0 U	6.3 UJ	4.4 U	5.3 U	32 J
Vinyl chloride	ug/kg	6.3 U	6.5 U	5.6 U	6.0 U	6.3 UJ	4.4 U	5.3 U	320 U
Xylene (total)	ug/kg	13 U	13 U	11 U	12 U	13 UJ	18	1.1 J	640 U

TABLE 2a

ANALYTICAL RESULTS SUMMARY
RECENT SEWER INVESTIGATION - SEDIMENT
GM HARRISON DAYTON

Sample Location:		*MH-28*	*MH-34*	*mh-35*	*mh-35*	*mh-36*	*mh-36*	*MH-38*	*MH-39*
Sample ID:		*SESS-102005-NZ-0006*	*SESS-102405-JC-0008*	*SE-062705-DN-0003*	*SESS-102005-NZ-0004*	*SE-062705-DN-0001*	*SESS-102005-NZ-0005*	*SESS-102005-NZ-0002*	*SESS-102005-NZ-0001*
Sample Date:		*10/20/2005*	*10/24/2005*	*6/27/2005*	*10/20/2005*	*6/27/2005*	*10/20/2005*	*10/20/2005*	*10/20/2005*
Sample Matrix:		*SESS*	*SESS*	*SESS*	*SESS*	*SESS*	*SESS*	*SESS*	*SESS*
				Validated		*Validated*			
Parameters	*Units*								
Semi-Volatile Organic Compounds									
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/kg	18000 U	5800 U	7400 U	7500 U	R	54000 U	3600 U	5100 U
2,4,5-Trichlorophenol	ug/kg	18000 U	5800 U	7400 U	7500 U	R	54000 U	3600 U	5100 U
2,4,6-Trichlorophenol	ug/kg	18000 U	5800 U	7400 U	7500 U	R	54000 U	3600 U	5100 U
2,4-Dichlorophenol	ug/kg	18000 U	5800 U	7400 U	7500 U	R	54000 U	3600 U	5100 U
2,4-Dimethylphenol	ug/kg	18000 U	5800 U	7400 U	7500 U	R	54000 U	3600 U	5100 U
2,4-Dinitrophenol	ug/kg	87000 U	28000 U	36000 U	36000 U	R	260000 U	18000 U	25000 U
2,4-Dinitrotoluene	ug/kg	18000 U	5800 U	7400 U	7500 U	R	54000 U	3600 U	5100 U
2,6-Dinitrotoluene	ug/kg	18000 U	5800 U	7400 U	7500 U	R	54000 U	3600 U	5100 U
2-Chloronaphthalene	ug/kg	18000 U	5800 U	7400 U	7500 U	R	54000 U	3600 U	5100 U
2-Chlorophenol	ug/kg	18000 U	5800 U	7400 U	7500 U	R	54000 U	3600 U	5100 U
2-Methylnaphthalene	ug/kg	18000 U	5800 U	7400 U	7500 U	R	54000 U	3600 U	5100 U
2-Methylphenol	ug/kg	18000 U	5800 U	7400 U	490 J	19 J	54000 U	180 J	170 J
2-Nitroaniline	ug/kg	87000 U	28000 U	36000 U	36000 U	R	260000 U	18000 U	25000 U
2-Nitrophenol	ug/kg	18000 U	5800 U	7400 U	7500 U	R	54000 U	3600 U	5100 U
3,3'-Dichlorobenzidine	ug/kg	87000 U	28000 U	36000 UJ	36000 U	R	260000 U	18000 U	25000 U
3-Nitroaniline	ug/kg	87000 U	28000 U	36000 U	36000 U	R	260000 U	18000 U	25000 U
4,6-Dinitro-2-methylphenol	ug/kg	87000 U	28000 U	36000 U	36000 U	R	260000 U	18000 U	25000 U
4-Bromophenyl phenyl ether	ug/kg	18000 U	5800 U	7400 U	7500 U	R	54000 U	3600 U	5100 U
4-Chloro-3-methylphenol	ug/kg	18000 U	5800 U	7400 U	7500 U	R	54000 U	3600 U	5100 U
4-Chloroaniline	ug/kg	18000 U	5800 U	7400 U	7500 U	R	54000 U	3600 U	5100 U
4-Chlorophenyl phenyl ether	ug/kg	18000 U	5800 U	7400 U	7500 U	R	54000 U	3600 U	5100 U
4-Methylphenol	ug/kg	18000 U	5800 U	7400 U	7500 U	R	54000 U	3600 U	5100 U
4-Nitroaniline	ug/kg	87000 U	28000 U	36000 U	36000 U	R	260000 U	1200 J	25000 U
4-Nitrophenol	ug/kg	87000 U	28000 U	36000 U	36000 U	R	260000 U	18000 U	25000 U
Acenaphthene	ug/kg	2400 J	5800 U	570 J	2900 J	19 J	54000 U	820 J	540 J
Acenaphthylene	ug/kg	600 J	5800 U	7400 U	7500 U	21 J	54000 U	110 J	140 J
Acetophenone	ug/kg	18000 U	5800 U	7400 U	7500 U	R	54000 U	3600 U	5100 U
Anthracene	ug/kg	3600 J	1300 J	1900 J	4400 J	96 J	1600 J	2000 J	1400 J
Atrazine	ug/kg	18000 U	5800 U	7400 U	7500 U	R	54000 U	3600 U	5100 U
Benzaldehyde	ug/kg	18000 U	5800 U	7400 U	7500 U	R	54000 U	3600 U	5100 U
Benzo(a)anthracene	ug/kg	13000 J	6400	8300 J	10000	450 J	4000 J	4300	7400
Benzo(a)pyrene	ug/kg	13000 J	5300 J	9200	8600	420 J	4700 J	3900	9700
Benzo(b)fluoranthene	ug/kg	19000	7800	12000	12000	580 J	6800 J	5500	15000
Benzo(g,h,i)perylene	ug/kg	8800 J	4300 J	7200 J	5800 J	340 J	54000 U	2100 J	9700
Benzo(k)fluoranthene	ug/kg	7300 J	3600 J	5300 J	4200 J	280 J	2900 J	2300 J	6000
Biphenyl	ug/kg	18000 U	5800 U	7400 U	7500 U	R	54000 U	3600 U	5100 U
bis(2-Chloroethoxy)methane	ug/kg	18000 U	5800 U	7400 U	7500 U	R	54000 U	3600 U	5100 U
bis(2-Chloroethyl)ether	ug/kg	18000 U	830 J	7400 U	7500 U	R	54000 U	3600 U	5100 U
bis(2-Ethylhexyl)phthalate	ug/kg	1800 J B	1000 J	1800 J	1300 J B	170 J	33000 J B	1300 J B	760 J B
Butyl benzylphthalate	ug/kg	18000 U	5800 U	7400 UJ	7500 U	R	54000 U	3600 U	5100 U
Caprolactam	ug/kg	18000 U	390 J B	7400 U	7500 U	R	54000 U	3600 U	5100 U
Carbazole	ug/kg	3800 J	1500 J	940 J	2800 J	49 J	54000 U	1300 J	1000 J
Chrysene	ug/kg	14000 J	7900	9000 J	8900	470 J	4300 J	4800	8600
Dibenz(a,h)anthracene	ug/kg	1800 J	910 J	1800 J	1000 J	76 J	54000 U	440 J	1200 J
Dibenzofuran	ug/kg	1500 J	360 J	360 J	1500 J	39 J	54000 U	610 J	360 J
Diethyl phthalate	ug/kg	18000 U	5800 U	7400 U	7500 U	R	54000 U	3600 U	5100 U
Dimethyl phthalate	ug/kg	18000 U	5800 U	7400 U	7500 U	R	54000 U	3600 U	5100 U
Di-n-butylphthalate	ug/kg	18000 U	5800 U	7400 U	7500 U	R	54000 U	3600 U	1900 J

ANALYTICAL RESULTS SUMMARY
RECENT SEWER INVESTIGATION - SEDIMENT
GM HARRISON DAYTON

Sample Location:		*MH-28*	*MH-34*	*mh-35*	*mh-35*	*mh-36*	*mh-36*	*MH-38*	*MH-39*
Sample ID:		*SESS-102005-NZ-0006*	*SESS-102405-JC-0008*	*SE-062705-DN-0003*	*SESS-102005-NZ-0004*	*SE-062705-DN-0001*	*SESS-102005-NZ-0005*	*SESS-102005-NZ-0002*	*SESS-102005-NZ-0001*
Sample Date:		*10/20/2005*	*10/24/2005*	*6/27/2005*	*10/20/2005*	*6/27/2005*	*10/20/2005*	*10/20/2005*	*10/20/2005*
Sample Matrix:		*SESS*	*SESS*	*SESS*	*SESS*	*SESS*	*SESS*	*SESS*	*SESS*
				Validated		*Validated*			
Parameters	***Units***								
Di-n-octyl phthalate	ug/kg	18000 U	5800 U	7400 U	7500 U	R	54000 U	3600 U	5100 U
Fluoranthene	ug/kg	38000	18000	17000	26000	1100 J	9400 J	12000	15000
Fluorene	ug/kg	2000 J	470 J	440 J	2300 J	R	54000 U	860 J	330 J
Hexachlorobenzene	ug/kg	18000 U	5800 U	7400 U	7500 U	R	54000 U	3600 U	5100 U
Hexachlorobutadiene	ug/kg	18000 U	5800 U	7400 U	7500 U	R	54000 U	3600 U	5100 U
Hexachlorocyclopentadiene	ug/kg	87000 U	28000 U	36000 UJ	36000 U	R	260000 U	18000 U	25000 U
Hexachloroethane	ug/kg	18000 U	5800 U	7400 U	7500 U	R	54000 U	3600 U	5100 U
Indeno(1,2,3-cd)pyrene	ug/kg	7700 J	3800 J	6000 J	4700 J	280 J	54000 U	2200 J	7500
Isophorone	ug/kg	18000 U	5800 U	7400 U	7500 U	R	54000 U	3600 U	5100 U
Naphthalene	ug/kg	1600 J	200 J	7400 U	1800 J	69 J	54000 U	330 J	170 J
Nitrobenzene	ug/kg	18000 U	5800 U	7400 U	7500 U	R	54000 U	3600 U	5100 U
N-Nitrosodi-n-propylamine	ug/kg	18000 U	5800 U	7400 U	7500 U	R	54000 U	3600 U	5100 U
N-Nitrosodiphenylamine	ug/kg	18000 U	5800 U	7400 U	7500 U	R	54000 U	3600 U	5100 U
Pentachlorophenol	ug/kg	18000 U	5800 U	7400 U	7500 U	R	54000 U	3600 U	5100 U
Phenanthrene	ug/kg	26000	9500	10000	20000	610 J	5500 J	9000	9400
Phenol	ug/kg	18000 U	5800 U	7400 U	7500 U	R	54000 U	3600 U	5100 U
Pyrene	ug/kg	28000	14000	15000 J	21000	940 J	9600 J	9300	14000
Metals									
Antimony	ug/kg	11000 B G	1900 B	134000 U	2000 B	7200 J	8500 B G	2300 B	8400
Arsenic	ug/kg	13000	12500	6700	5400	8200	11200	5400	7600
Barium	ug/kg	107000	162000	142000	610000	131000	1240000	355000	1900000
Beryllium	ug/kg	680 U	700 U	11200 U	570 U	630 U	660 U	550 U	620 U
Cadmium	ug/kg	78600	3500	6800 J	3300	16100	9900	4200	64000
Chromium Total	ug/kg	237000	55700	108000	57100	71300	106000	36600	446000
Cobalt	ug/kg	16500	5700 B	21800	5200 B	13600	13100	11400	6400
Copper	ug/kg	1250000	115000	1130000	95400	405000	397000	43900	7270000
Cyanide (total)	ug/kg	-	-	170 J	-	220 J	-	-	-
Lead	ug/kg	910000 J	217000 J	235000	50200 J	339000	442000 J	137000 J	792000 J
Manganese	ug/kg	1250000 J	291000 J	2350000	444000 J	1990000	1720000 J	304000 J	468000 J
Mercury	ug/kg	540	950	4900	250	2600	-	150	14700
Nickel	ug/kg	53300	20100	93500	21400	47500	63500	16400	218000
Selenium	ug/kg	1100 B G	700 U	560 U	570 U	630 U	3300 U G	270 B	1600 B
Silver	ug/kg	60500	1100 B	22400 U	390 B	1500	1900	4400	214000
Thallium	ug/kg	71 B J G	110 B	580 J	120 B J	280 J	370 B J G	100 B J	180 B J G
Vanadium	ug/kg	21600 B G	12900	9000 J	10800	15700 J	5500 B G	12300	15500
Zinc	ug/kg	5930000 J	1070000 J	773000	673000 J	1420000	1850000 J	844000 J	2150000 J
PCBs									
Aroclor-1016 (PCB-1016)	ug/kg	90 U	460 U	74 U	370 U	83 U	87 U	730 U	410 U
Aroclor-1221 (PCB-1221)	ug/kg	90 U	460 U	74 U	370 U	83 U	87 U	730 U	410 U
Aroclor-1232 (PCB-1232)	ug/kg	90 U	460 U	74 U	370 U	83 U	87 U	730 U	410 U
Aroclor-1242 (PCB-1242)	ug/kg	90 U	460 U	74 U	370 U	83 U	87 U	730 U	410 U
Aroclor-1248 (PCB-1248)	ug/kg	90 U	460 U	74 U	370 U	83 U	87 U	730 U	410 U
Aroclor-1254 (PCB-1254)	ug/kg	720	1500	720	2000	1000	910	4600	4400
Aroclor-1260 (PCB-1260)	ug/kg	90 U	460 U	74 U	370 U	83 U	87 U	730 U	410 U
Total PCBs	ug/kg	-	-	720	-	1000	-	-	-
General Chemistry									

TABLE 2a

ANALYTICAL RESULTS SUMMARY
RECENT SEWER INVESTIGATION - SEDIMENT
GM HARRISON DAYTON

Sample Location:		*MH-28*	*MH-34*	*mh-35*	*mh-35*	*mh-36*	*mh-36*	*MH-38*	*MH-39*
Sample ID:		*SESS-102005-NZ-0006*	*SESS-102405-JC-0008*	*SE-062705-DN-0003*	*SESS-102005-NZ-0004*	*SE-062705-DN-0001*	*SESS-102005-NZ-0005*	*SESS-102005-NZ-0002*	*SESS-102005-NZ-0001*
Sample Date:		*10/20/2005*	*10/24/2005*	*6/27/2005*	*10/20/2005*	*6/27/2005*	*10/20/2005*	*10/20/2005*	*10/20/2005*
Sample Matrix:		*SESS*	*SESS*	*SESS*	*SESS*	*SESS*	*SESS*	*SESS*	*SESS*
Parameters	*Units*			*Validated*		*Validated*			
Total Solids	%	73.5	71.3	89.3	88.0	79.7	76.1	90.9	80.8

Notes:
U - Not present at or above the associated value.
J - Estimated value.
UJ - Estimated reporting limit.
R - Rejected.

ANALYTICAL RESULTS SUMMARY
RECENT SEWER INVESTIGATION - WATER
GM HARRISON DAYTON

Sample Location:		*MH-10*	*MH-13*	*MH-13*
Sample ID:		*WSS-102405-JC-0001*	*WSS-102405-JC-0002*	*WSS-102405-JC-0003*
Sample Date:		*10/24/2005*	*10/24/2005*	*10/24/2005*
Sample Matrix:		*WSS*	*WSS*	*WSS*
				Duplicate
Parameters	***Units***			
Volatile Organic Compounds				
1,1,1-Trichloroethane	ug/l	1.0 U	1.0 U	1.0 U
1,1,2,2-Tetrachloroethane	ug/l	1.0 U	1.0 U	1.0 U
1,1,2-Trichloroethane	ug/l	1.0 U	1.0 U	1.0 U
1,1-Dichloroethane	ug/l	1.0 U	1.0 U	1.0 U
1,1-Dichloroethene	ug/l	1.0 U	1.0 U	1.0 U
1,2,4-Trichlorobenzene	ug/l	1.0 U	0.24 J B	1.0 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/l	1.0 U	1.0 U	1.0 U
1,2-Dibromoethane (Ethylene Dibromide)	ug/l	1.0 U	1.0 U	1.0 U
1,2-Dichlorobenzene	ug/l	1.0 U	1.0 U	1.0 U
1,2-Dichloroethane	ug/l	1.0 U	1.0 U	1.0 U
1,2-Dichloropropane	ug/l	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	ug/l	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	ug/l	1.0 U	1.0 U	1.0 U
2-Butanone (Methyl Ethyl Ketone)	ug/l	0.66 J	1.1 J	1.2 J
2-Hexanone	ug/l	10 U	10 U	10 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/l	10 U	10 U	10 U
Acetone	ug/l	4.0 J B	6.4 J B	7.0 J B
Benzene	ug/l	1.0 U	1.0 U	1.0 U
Bromodichloromethane	ug/l	1.0 U	1.0 U	1.0 U
Bromoform	ug/l	1.0 U	1.0 U	1.0 U
Bromomethane (Methyl Bromide)	ug/l	1.0 U	1.0 U	1.0 U
Carbon disulfide	ug/l	1.0 U	1.0 U	1.0 U
Carbon tetrachloride	ug/l	1.0 U	1.0 U	1.0 U
Chlorobenzene	ug/l	1.0 U	1.0 U	1.0 U
Chloroethane	ug/l	1.0 U	1.0 U	1.0 U
Chloroform (Trichloromethane)	ug/l	1.0 U	1.0 U	1.0 U
Chloromethane (Methyl Chloride)	ug/l	1.0 U	0.22 J	0.32 J
cis-1,2-Dichloroethene	ug/l	0.34 J	0.87 J	0.81 J
cis-1,3-Dichloropropene	ug/l	1.0 U	1.0 U	1.0 U
Cyclohexane	ug/l	1.0 U	1.0 U	1.0 U
Dibromochloromethane	ug/l	1.0 U	1.0 U	1.0 U
Dichlorodifluoromethane (CFC-12)	ug/l	1.0 U	1.0 U	1.0 U
Ethylbenzene	ug/l	1.0 U	1.0 U	1.0 U
Isopropylbenzene	ug/l	1.0 U	1.0 U	1.0 U
Methyl acetate	ug/l	10 U	10 U	10 U
Methyl cyclohexane	ug/l	1.0 U	1.0 U	1.0 U
Methyl Tert Butyl Ether	ug/l	5.0 U	5.0 U	5.0 U
Methylene chloride	ug/l	5.0 U	5.0 U	5.0 U
Styrene	ug/l	1.0 U	1.0 U	1.0 U
Tetrachloroethene	ug/l	0.40 J	0.37 J	0.27 J
Toluene	ug/l	1.0 U	1.0 U	1.0 U
trans-1,2-Dichloroethene	ug/l	1.0 U	1.0 U	1.0 U
trans-1,3-Dichloropropene	ug/l	1.0 U	1.0 U	1.0 U
Trichloroethene	ug/l	1.0 U	0.36 J	0.37 J
Trichlorofluoromethane (CFC-11)	ug/l	1.0 U	1.0 U	1.0 U
Trifluorotrichloroethane (Freon 113)	ug/l	1.0 U	1.0 U	1.0 U
Vinyl chloride	ug/l	1.0 U	1.0 U	1.0 U
Xylene (total)	ug/l	2.0 U	2.0 U	2.0 U

ANALYTICAL RESULTS SUMMARY
RECENT SEWER INVESTIGATION - WATER
GM HARRISON DAYTON

Sample Location:		*MH-10*	*MH-13*	*MH-13*
Sample ID:		*WSS-102405-JC-0001*	*WSS-102405-JC-0002*	*WSS-102405-JC-0003*
Sample Date:		*10/24/2005*	*10/24/2005*	*10/24/2005*
Sample Matrix:		*WSS*	*WSS*	*WSS*
				Duplicate
Parameters	*Units*			
Semi-Volatile Organic Compounds				
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/l	10 U	10 U	10 U
2,4,5-Trichlorophenol	ug/l	10 U	10 U	10 U
2,4,6-Trichlorophenol	ug/l	10 U	10 U	10 U
2,4-Dichlorophenol	ug/l	10 U	10 U	10 U
2,4-Dimethylphenol	ug/l	10 U	10 U	10 U
2,4-Dinitrophenol	ug/l	50 U	50 U	50 U
2,4-Dinitrotoluene	ug/l	10 U	10 U	10 U
2,6-Dinitrotoluene	ug/l	10 U	10 U	10 U
2-Chloronaphthalene	ug/l	10 U	10 U	10 U
2-Chlorophenol	ug/l	10 U	10 U	10 U
2-Methylnaphthalene	ug/l	10 U	10 U	10 U
2-Methylphenol	ug/l	10 U	10 U	10 U
2-Nitroaniline	ug/l	50 U	50 U	50 U
2-Nitrophenol	ug/l	10 U	10 U	10 U
3,3'-Dichlorobenzidine	ug/l	50 U	50 U	50 U
3-Nitroaniline	ug/l	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	ug/l	50 U	50 U	50 U
4-Bromophenyl phenyl ether	ug/l	10 U	10 U	10 U
4-Chloro-3-methylphenol	ug/l	10 U	10 U	10 U
4-Chloroaniline	ug/l	10 U	10 U	10 U
4-Chlorophenyl phenyl ether	ug/l	10 U	10 U	10 U
4-Methylphenol	ug/l	0.77 J #	0.50 J #	0.43 J #
4-Nitroaniline	ug/l	50 U	50 U	50 U
4-Nitrophenol	ug/l	50 U	50 U	50 U
Acenaphthene	ug/l	10 U	10 U	10 U
Acenaphthylene	ug/l	10 U	10 U	10 U
Acetophenone	ug/l	10 U	10 U	10 U
Anthracene	ug/l	10 U	10 U	10 U
Atrazine	ug/l	10 U	10 U	10 U
Benzaldehyde	ug/l	10 U	10 U	10 U
Benzo(a)anthracene	ug/l	0.76 J	1.6 J	0.94 J
Benzo(a)pyrene	ug/l	0.61 J	1.5 J	0.84 J
Benzo(b)fluoranthene	ug/l	0.87 J	3.0 J	1.7 J
Benzo(g,h,i)perylene	ug/l	0.44 J	1.3 J	0.78 J
Benzo(k)fluoranthene	ug/l	0.45 J	1.2 J	0.76 J
Biphenyl	ug/l	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	ug/l	10 U	10 U	10 U
bis(2-Chloroethyl)ether	ug/l	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	ug/l	0.92 J	3.6 J	2.0 J
Butyl benzylphthalate	ug/l	10 U	10 U	10 U
Caprolactam	ug/l	10 U	2.7 J	2.7 J
Carbazole	ug/l	10 U	1.3 J	1.2 J
Chrysene	ug/l	0.85 J	2.7 J	1.7 J
Dibenz(a,h)anthracene	ug/l	10 U	0.43 J	10 U
Dibenzofuran	ug/l	10 U	10 U	10 U
Diethyl phthalate	ug/l	10 U	10 U	10 U
Dimethyl phthalate	ug/l	10 U	10 U	10 U

ANALYTICAL RESULTS SUMMARY
RECENT SEWER INVESTIGATION - WATER
GM HARRISON DAYTON

Sample Location:		*MH-10*	*MH-13*	*MH-13*
Sample ID:		*WSS-102405-JC-0001*	*WSS-102405-JC-0002*	*WSS-102405-JC-0003*
Sample Date:		*10/24/2005*	*10/24/2005*	*10/24/2005*
Sample Matrix:		*WSS*	*WSS*	*WSS*
				Duplicate
Parameters	***Units***			
Di-n-butylphthalate	ug/l	10 U	10 U	10 U
Di-n-octyl phthalate	ug/l	10 U	10 U	10 U
Fluoranthene	ug/l	2.1 J	6.1 J	4.0 J
Fluorene	ug/l	10 U	0.43 J	10 U
Hexachlorobenzene	ug/l	10 U	10 U	10 U
Hexachlorobutadiene	ug/l	10 U	10 U	10 U
Hexachlorocyclopentadiene	ug/l	50 U	50 U	50 U
Hexachloroethane	ug/l	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/l	10 U	1.2 J	0.72 J
Isophorone	ug/l	10 U	10 U	10 U
Naphthalene	ug/l	10 U	10 U	10 U
Nitrobenzene	ug/l	10 U	10 U	10 U
N-Nitrosodi-n-propylamine	ug/l	10 U	10 U	10 U
N-Nitrosodiphenylamine	ug/l	10 U	10 U	10 U
Pentachlorophenol	ug/l	10 U	10 U	10 U
Phenanthrene	ug/l	1.4 J	4.0 J	3.1 J
Phenol	ug/l	10 U	10 U	10 U
Pyrene	ug/l	1.5 J	4.0 J	2.6 J
Metals				
Antimony	ug/l	60.0 U	4.2 B	60.0 U
Arsenic	ug/l	2.7 B	5.0 B	3.7 B
Barium	ug/l	69.5 B	189 B	149 B
Beryllium	ug/l	5.0 U	5.0 U	5.0 U
Cadmium	ug/l	1.8 B	5.4	5.6
Chromium Total	ug/l	20.2	32.2	31.5
Cobalt	ug/l	9.9 B	8.3 B	6.6 B
Copper	ug/l	60.6	174	157
Lead	ug/l	40.3 J	140 J	107 J
Manganese	ug/l	279 J	276 J	173 J
Mercury	ug/l	0.31	1.5	2.1
Nickel	ug/l	5.5 B	11.3 B	11.1 B
Selenium	ug/l	5.0 U	5.0 U	5.0 U
Silver	ug/l	10.0 U	10.0 U	10.0 U
Thallium	ug/l	0.056 B J	0.12 B J	0.066 B J
Vanadium	ug/l	6.6 B	11.2 B	9.3 B
Zinc	ug/l	452	1170	993
PCBs				
Aroclor-1016 (PCB-1016)	ug/l	0.20 U	0.20 U	0.20 U
Aroclor-1221 (PCB-1221)	ug/l	0.20 U	0.20 U	0.20 U
Aroclor-1232 (PCB-1232)	ug/l	0.40 U	0.40 U	0.40 U
Aroclor-1242 (PCB-1242)	ug/l	0.20 U	0.20 U	0.20 U
Aroclor-1248 (PCB-1248)	ug/l	0.20 U	0.20 U	0.20 U
Aroclor-1254 (PCB-1254)	ug/l	0.18 J	2.7	2.0
Aroclor-1260 (PCB-1260)	ug/l	0.20 U	0.20 U	0.20 U

ANALYTICAL RESULTS SUMMARY
RECENT SEWER INVESTIGATION - WATER
GM HARRISON DAYTON

Sample Location:		*MH-10*	*MH-13*	*MH-13*
Sample ID:		*WSS-102405-JC-0001*	*WSS-102405-JC-0002*	*WSS-102405-JC-0003*
Sample Date:		*10/24/2005*	*10/24/2005*	*10/24/2005*
Sample Matrix:		*WSS*	*WSS*	*WSS*
				Duplicate
Parameters	*Units*			

Notes:
U - Not present at or above the associated value.
J - Estimated value.
UJ - Estimated reporting limit.
R - Rejected.

ATTACHMENT B

RESPONSES TO USEPA'S
JULY 12, 2005 COMMENTS ON THE
PROPOSED STORM SEWER ABANDONMENT STRATEGY

October 28, 2005 Ref. No. 12638

RESPONSES TO USEPA's JULY 12, 2005 COMMENTS ON THE PROPOSED STORM SEWER ABANDONMENT STRATEGY

SITE WORK PLAN

1. **USEPA Comment**

Before TSCA comments on the proposed cleanup and abandonment of the storm sewer lines, we would like to review the data and results from the storm water investigation.

Response

The results for storm sewer water and sediment samples collected to date were provided to USEPA in the "Stage 3 Data Package and Proposed Stage 4 Sampling Event" (September 3, 2004) and "Storm Sewer Sample Results – Summary and Recommendations" (January 10, 2005). This data is also included in the accompanying Storm Sewer Abandonment Work Plan.

The additional sewer investigation activities proposed in the Storm Sewer Abandonment Work Plan are proposed to be conducted in late October 2005. In order to meet the December 31, 2005 deadline for USEPA's Environmental Indicator Determinations, the sewer cleaning and abandonment needs to be started in November 2005, as identified on Figure 6 of the Storm Sewer Abandonment Work Plan.

2. **USEPA Comment**

We would like GM to do a thorough investigation of where the PCBs in the manholes are coming from. GM needs to investigate the sewer lines connected to MH 37 where sediment was found to contain 1940 mg/kg PCBs. What is the source?

Response

It is suspected that MH37 is actually a former process manhole. The available sewer records do not show any connections to MH37 either to the storm or process sewer system; no storm sewers are located adjacent to this manhole, however, a former process manhole is located adjacent to MH37. In addition, PCBs were identified in process sewers in the area between Webster and Taylor Streets during decommissioning activities. Smoke or dye testing will be used to confirm the manhole connections or lack of connection to the storm sewer system.

3. **USEPA Comment**

Is there a soil sample taken underneath MH 37? Provide us with some information on the integrity of the sewer lines that they are proposing to abandon. The concern is that if there is contaminated soil with PCBs underneath or above the storm sewer, then it may have gotten into the storm sewer systems due to the pipe's integrity and long use.

Response

There has not been a soil sample collected from immediately beneath MH37. Soil samples have been collected from SB57-02, located adjacent to MH37, as shown on Figure B.1 and Table B.1. The highest PCB concentration at SB57-02 is 54.7 mg/kg, from 9.5-11.5 ft bgs, which is much lower than the PCB concentration of 1,940 mg/kg inside the manhole. This indicates that the manhole was contaminated by material passing through the sewer line, not by the surrounding soil. If the integrity of MH37 is observed to be poor following cleaning of this manhole, a sample will be collected from beneath the manhole.

4. **USEPA Comment**

Are the flooded basements connected to this storm sewer system? How are they addressing the water in those basements?

Response

The basements are indirectly connected to the storm sewer system via the basement sumps, BS-1 through BS-4, as shown on Figure B.1. Sediment was not present and/or the bottom of the sump was not accessible, and therefore only water was sampled from the sumps. Three of the six samples collected from these sumps were non-detect for PCBs and the other three samples contained PCBs below the 3ppb discharge limit, as shown in Table B.2. Concrete samples (core and wipe) were collected from the Building 12 basement as shown on Figure B.1. The concrete samples were analyzed for PCBs, and results are presented in Table B.3. Due to the difference in elevation and proximity to the Mad River, the basement in Building 24 is more susceptible to flooding. Based on the information gathered during the RFI, we believe these basements can be abandoned without additional considerations.

5. **USEPA Comment**

For those manholes with false bottom and where sediments are found to contain PCBs, the soil underneath must be sampled for PCBs.

Response

Sediment was removed from the bottomless manholes and a bottom was installed to facilitate cleaning and abandonment of the process sewers with flowable fill as part of

decommissioning activities. The bottomless manholes were process manholes and were investigated during Stage 1 of the RFI by completing borings immediately adjacent to the manholes. SB16-02 was located immediately adjacent to MH27, as shown on Figure B.1, and results are presented in Table B.1. SB3-02, SB4-02, and SB5-02 were completed immediately adjacent to the manholes beside the still room, one of which (MH4) was bottomless, as shown on Figure B.1, and results are presented in Table B.1. Following cleaning, MH37, MH12, and MH16, along with any other manholes where PCB results in sediment are found to exceed 50 mg/kg, will be inspected and a soil sample will be collected from beneath the bottom of the manhole if the manhole is not intact.

6. **USEPA Comment**

The handling of the storm water and water generated for power washing was not addressed in the work plan.

Response

The downstream manhole(s) will be plugged and storm sewers will be cleaned in an upstream to downstream direction. Water from the sewers will be containerized, characterized, and disposed of in accordance with applicable regulations as identified in Tasks 2 and 3 of the Storm Sewer Abandonment Work Plan (see Attachment A).

7. **USEPA Comment**

In order to leave or abandon the manholes and sewer system in place after cleanup without doing any further sampling, they need to have an approval from us under 40 CFR 761.61 (c) risk based approval. This is consistent with GM Pontiac???

Response

These responses now accompany a request for risk-based approval of the Storm Sewer Abandonment Work Plan. A certification statement is attached (see Attachment C).

8. **USEPA Comment**

Have the field events proposed in the April 11, 2005 submittal been conducted? The field work was necessary to address the API LNAPL Modeling and we would like to look into some alternatives to have the PCBs taken out.

Response

The results of the field work associated with the API LNAPL Modeling have been completed and presented to USEPA in the report titled LNAPL API Investigation Model

Results, dated July 28, 2005. These activities were discussed with USEPA in a meeting on September 27, 2005.

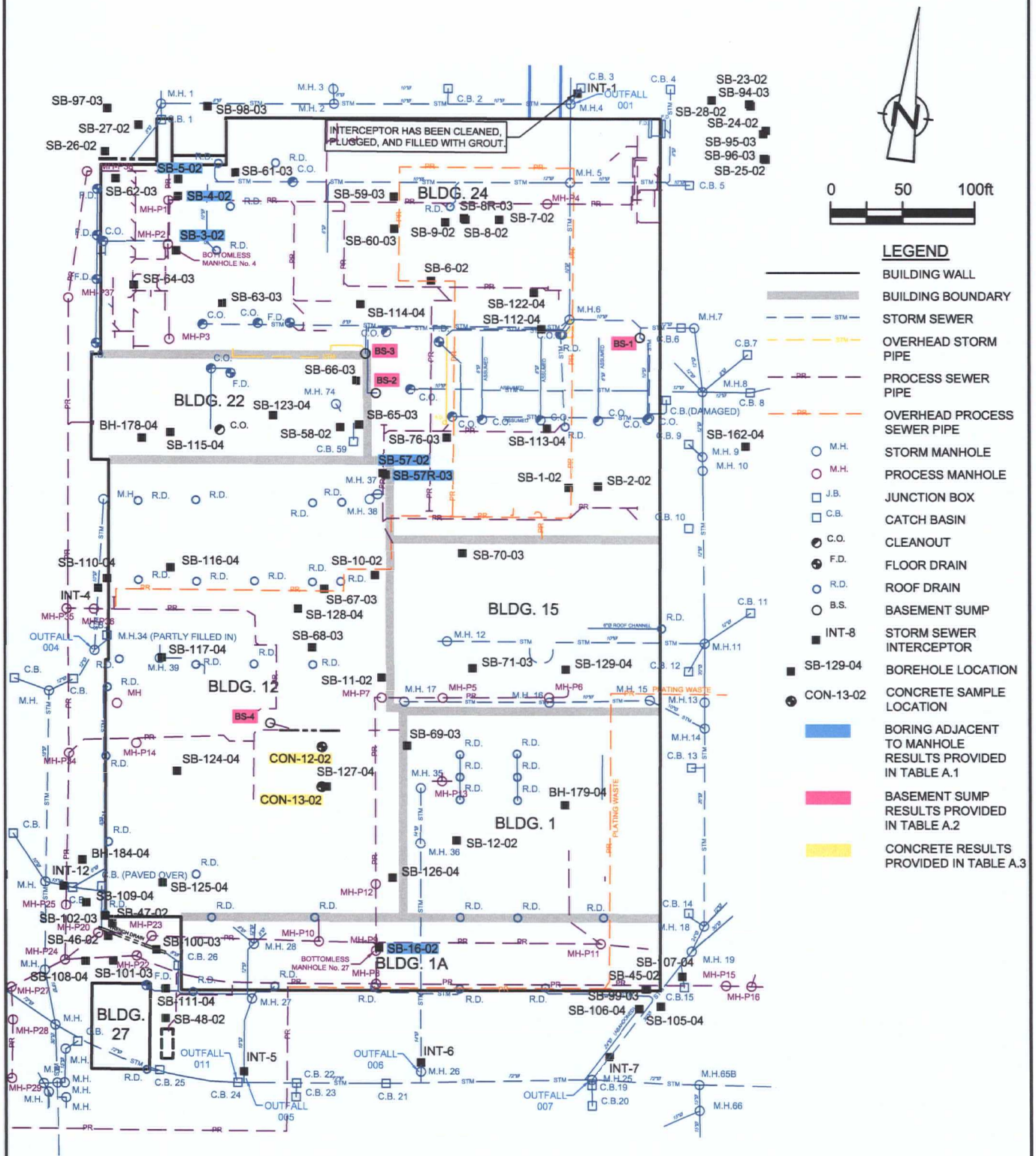


figure B.1

PROCESS, STORM SEWER, AND SAMPLE LOCATIONS
FORMER DELPHI HARRISON THERMAL SYSTEMS FACILITY
Dayton, Ohio

TABLE B1

ANALYTICAL RESULTS SUMMARY
SOIL BORINGS ADJACENT TO MANHOLE RESULTS
GM HARRISON DAYTON

Sample Location:		*SB-3-02*	*SB-3-02*	*SB-3-02*	*SB-3-02*	*SB-4-02*	*SB-4-02*	*SB-4-02*	*SB-5-02*	*SB-5-02*	*SB-16-02*	*SB-16-02*
Sample Date:		*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/8/2002*	*4/8/2002*
Sample ID:		*S-040302-JC-005*	*S-040302-JC-006*	*S-040302-JC-007*	*S-040302-JC-008*	*S-040302-JC-009*	*S-040302-JC-010*	*S-040302-JC-011*	*S-040302-JC-012*	*S-040302-JC-013*	*S-040802-JC-047*	*S-040802-JC-048*
Sample Depth:		*(1-3) ft BGS*	*(9-11) ft BGS*	*(11-12) ft BGS*	*(13-15) ft BGS*	*(1-3) ft BGS*	*(9-11) ft BGS*	*(12.5-14.5) ft BGS*	*(1-3) ft BGS*	*(9-11) ft BGS*	*(1-3) ft BGS*	*(10-12) ft BGS*
Parameters	***Units***											
Volatile Organic Compounds												
1,1,1-Trichloroethane	ug/Kg	250	21000 U	5500 U	230 U	4.2 U	220 U	4.4 U	11	1400 U	6 U	5.4 U
1,1,2,2-Tetrachloroethane	ug/Kg	220 U	21000 U	5500 U	230 U	4.2 U	220 U	4.4 U	4.5 U	1400 U	6 U	5.4 U
1,1,2-Trichloroethane	ug/Kg	220 U	21000 U	5500 U	230 U	4.2 U	220 U	4.4 U	4.5 U	1400 U	6 U	5.4 U
1,1-Dichloroethane	ug/Kg	26 J	21000 U	6000	300	4.2 U	310	4.4 U	2.4 J	1400 U	6 U	5.4 U
1,1-Dichloroethene	ug/Kg	220 U	21000 U	5500 U	230 U	4.2 U	220 U	4.4 U	4.5 U	1400 U	6 U	5.4 U
1,2,4-Trichlorobenzene	ug/Kg	220 U	21000 U	5500 U	230 U	4.2 U	220 U	4.4 U	4.5 U	1400 U	6 U	5.4 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	440 U	42000 U	11000 U	450 U	8.4 U	440 U	8.7 U	9 U	2900 U	12 UJ	11 UJ
1,2-Dibromoethane (Ethylene Dibromide)	ug/Kg	220 U	21000 U	5500 U	230 U	4.2 U	220 U	4.4 U	4.5 U	1400 U	6 U	5.4 U
1,2-Dichlorobenzene	ug/Kg	220 U	21000 U	5500 U	230 U	4.2 U	220 U	4.4 U	4.5 U	1400 U	6 U	5.4 U
1,2-Dichloroethane	ug/Kg	220 U	21000 U	5500 U	230 U	4.2 U	220 U	4.4 U	4.5 U	1400 U	6 U	5.4 U
1,2-Dichloropropane	ug/Kg	220 U	21000 U	5500 U	230 U	4.2 U	220 U	4.4 U	4.5 U	1400 U	6 U	5.4 U
1,3-Dichlorobenzene	ug/Kg	220 U	21000 U	5500 U	230 U	4.2 U	220 U	4.4 U	4.5 U	1400 U	6 U	5.4 U
1,4-Dichlorobenzene	ug/Kg	220 U	21000 U	5500 U	230 U	4.2 U	29 J	0.59 J	4.5 U	1400 U	6 U	5.4 U
2-Butanone (Methyl Ethyl Ketone)	ug/Kg	880 U	84000 U	22000 U	900 U	17 U	880 U	17 U	18 U	5800 U	24 U	21 U
2-Hexanone	ug/Kg	880 U	84000 U	22000 U	900 U	17 U	880 U	17 U	18 U	5800 U	24 U	21 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/Kg	880 U	84000 U	22000 U	900 U	1.6 J	880 U	17 U	18 U	5800 U	24 U	2.3 J
Acetone	ug/Kg	880 U	84000 UJ	3600 J	900 U	17 UJ	410 J	17 UJ	18 UJ	5800 UJ	24 UJ	21 UJ
Benzene	ug/Kg	220 U	21000 U	5500 U	230 U	4.2 U	220 U	4.4 U	4.5 U	1400 U	6 U	5.4 U
Bromodichloromethane	ug/Kg	220 U	21000 U	5500 U	230 U	4.2 U	220 U	4.4 U	4.5 U	1400 U	6 U	5.4 U
Bromoform	ug/Kg	220 U	21000 UJ	5500 UJ	230 U	4.2 UJ	220 UJ	4.4 UJ	4.5 UJ	1400 UJ	6 UJ	5.4 UJ
Bromomethane (Methyl Bromide)	ug/Kg	220 U	21000 UJ	5500 UJ	230 U	4.2 UJ	220 UJ	4.4 UJ	4.5 UJ	1400 UJ	6 U	5.4 U
Carbon disulfide	ug/Kg	220 U	21000 U	5500 U	230 U	4.2 U	220 U	4.4 U	4.5 U	1400 U	6 U	5.4 U
Carbon tetrachloride	ug/Kg	220 U	21000 UJ	5500 UJ	230 U	4.2 UJ	220 UJ	4.4 UJ	4.5 UJ	1400 UJ	6 U	5.4 U
Chlorobenzene	ug/Kg	220 U	21000 U	5500 U	230 U	4.2 U	220 U	4.4 U	4.5 U	1400 U	6 U	5.4 U
Chloroethane	ug/Kg	220 U	21000 U	5500 U	230 U	4.2 U	220 U	4.4 U	4.5 U	1400 U	6 U	5.4 U
Chloroform (Trichloromethane)	ug/Kg	220 U	21000 U	5500 U	230 U	4.2 U	220 U	4.4 U	4.5 U	1400 U	6 U	5.4 U
Chloromethane (Methyl Chloride)	ug/Kg	220 U	21000 U	5500 U	230 U	4.2 U	220 U	4.4 U	4.5 U	1400 U	6 U	5.4 U
cis-1,2-Dichloroethene	ug/Kg	470	35000	120000	2900	4.6	1200	8.2	10	42000	3 U	2.7 U
cis-1,3-Dichloropropene	ug/Kg	220 U	21000 U	5500 U	230 U	4.2 U	220 U	4.4 U	4.5 U	1400 U	6 U	5.4 U
Cyclohexane	ug/Kg	440 U	42000 U	11000 U	450 U	8.4 U	440 U	8.7 U	9 U	2900 U	12 U	11 U
Dibromochloromethane	ug/Kg	220 U	21000 U	5500 U	230 U	4.2 U	220 U	4.4 U	4.5 U	1400 U	6 U	5.4 U
Dichlorodifluoromethane (CFC-12)	ug/Kg	220 U	21000 U	5500 U	230 U	4.2 U	220 U	4.4 U	4.5 U	1400 U	6 U	5.4 U
Ethylbenzene	ug/Kg	220 U	21000 U	5500 U	230 U	4.2 U	220 U	4.4 U	4.5 U	1400 U	6 U	5.4 U
Isopropylbenzene	ug/Kg	220 U	21000 U	5500 U	73 J	4.2 U	220 U	4.4 U	4.5 U	1400 U	6 U	5.4 U
Methyl acetate	ug/Kg	440 U	42000 U	11000 U	41 J	8.4 U	440 U	8.7 U	9 U	2900 U	12 U	11 U
Methyl cyclohexane	ug/Kg	440 U	42000 U	11000 U	450 U	8.4 U	17 J	8.7 U	0.64 J	2900 U	12 U	11 U
Methyl Tert Butyl Ether	ug/Kg	880 U	84000 U	22000 U	900 U	17 U	880 U	17 U	18 U	5800 U	24 U	21 U
Methylene chloride	ug/Kg	220 U	21000 U	5500 U	230 U	4.2 U	220 U	4.4 U	4.5 U	1400 U	6 U	5.4 U
Styrene	ug/Kg	220 U	21000 U	5500 U	230 U	4.2 U	220 U	4.4 U	4.5 U	1400 U	6 U	5.4 U
Tetrachloroethene	ug/Kg	5800	610000	1700 J	1100	4.9	180 J	25	80	1400 U	6 U	8.2
Toluene	ug/Kg	10 J	1300 J	570 J	30 J	0.95 J	30 J	0.87 J	1.8 J	1400 U	0.70 J	0.62 J
trans-1,2-Dichloroethene	ug/Kg	110 U	10000 U	2700 U	20 J	2.1 U	38 J	2.2 U	0.90 J	180 J	3 U	2.7 U
trans-1,3-Dichloropropene	ug/Kg	220 U	21000 U	5500 U	230 U	4.2 U	220 U	4.4 U	4.5 U	1400 U	6 U	5.4 U
Trichloroethene	ug/Kg	380	240000	420 J	270	3.3 J	210 J	7.4	65	1400 U	6 U	16
Trichlorofluoromethane (CFC-11)	ug/Kg	220 U	21000 U	5500 UJ	230 U	4.2 UJ	220 UJ	4.4 UJ	4.5 UJ	1400 U	6 U	5.4 U
Trifluorotrichloroethane (Freon 113)	ug/Kg	220 U	21000 U	5500 U	230 U	4.2 U	220 U	4.4 U	4.5 U	1400 U	6 U	5.4 U
Vinyl chloride	ug/Kg	220 U	21000 U	1000 J	360	4.2 U	600	4.4 U	4.5 U	580 J	6 U	5.4 U
Xylene (total)	ug/Kg	440 U	42000 U	11000 U	450 U	8.4 U	440 U	8.7 U	9 U	2900 U	12 U	11 U

TABLE B1

ANALYTICAL RESULTS SUMMARY
SOIL BORINGS ADJACENT TO MANHOLE RESULTS
GM HARRISON DAYTON

Sample Location:		*SB-3-02*	*SB-3-02*	*SB-3-02*	*SB-3-02*	*SB-4-02*	*SB-4-02*	*SB-4-02*	*SB-5-02*	*SB-5-02*	*SB-16-02*	*SB-16-02*
Sample Date:		*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/8/2002*	*4/8/2002*
Sample ID:		*S-040302-JC-005*	*S-040302-JC-006*	*S-040302-JC-007*	*S-040302-JC-008*	*S-040302-JC-009*	*S-040302-JC-010*	*S-040302-JC-011*	*S-040302-JC-012*	*S-040302-JC-013*	*S-040802-JC-047*	*S-040802-JC-048*
Sample Depth:		*(1-3) ft BGS*	*(9-11) ft BGS*	*(11-12) ft BGS*	*(13-15) ft BGS*	*(1-3) ft BGS*	*(9-11) ft BGS*	*(12.5-14.5) ft BGS*	*(1-3) ft BGS*	*(9-11) ft BGS*	*(1-3) ft BGS*	*(10-12) ft BGS*
Parameters	***Units***											
Semi-Volatile Organic Compounds												
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
2,4,5-Trichlorophenol	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
2,4,6-Trichlorophenol	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
2,4-Dichlorophenol	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
2,4-Dimethylphenol	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
2,4-Dinitrophenol	ug/Kg	1700 UJ	1800 UJ	1800 UJ	1900 UJ	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1800 U	1700 U	1800 U
2,4-Dinitrotoluene	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
2,6-Dinitrotoluene	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
2-Chloronaphthalene	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
2-Chlorophenol	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
2-Methylnaphthalene	ug/Kg	350 U	96 J	360 U	1400	340 U	350 U	350 U	360 U	370 U	350 U	360 U
2-Methylphenol	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
2-Nitroaniline	ug/Kg	1700 U	1800 U	1800 U	1900 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1800 U
2-Nitrophenol	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
3,3'-Dichlorobenzidine	ug/Kg	1700 U	1800 U	1800 U	1900 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1800 U
3-Nitroaniline	ug/Kg	1700 U	1800 U	1800 U	1900 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1800 U
4,6-Dinitro-2-methylphenol	ug/Kg	1700 U	1800 U	1800 U	1900 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1800 U
4-Bromophenyl phenyl ether	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
4-Chloro-3-methylphenol	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
4-Chloroaniline	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
4-Chlorophenyl phenyl ether	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
4-Methylphenol	ug/Kg	350 U	370 U	64 J#	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
4-Nitroaniline	ug/Kg	1700 U	1800 U	1800 U	1900 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1800 U
4-Nitrophenol	ug/Kg	1700 UJ	1800 UJ	1800 UJ	1900 UJ	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1800 U	1700 U	1800 U
Acenaphthene	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Acenaphthylene	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Acetophenone	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Anthracene	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Atrazine	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Benzaldehyde	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Benzo(a)anthracene	ug/Kg	350 U	370 U	360 U	89 J	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Benzo(a)pyrene	ug/Kg	350 U	370 U	360 U	80 J	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Benzo(b)fluoranthene	ug/Kg	350 U	370 U	360 U	77 J	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Benzo(g,h,i)perylene	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Benzo(k)fluoranthene	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Biphenyl	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
bis(2-Chloroethoxy)methane	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
bis(2-Chloroethyl)ether	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
bis(2-Ethylhexyl)phthalate	ug/Kg	350 U	360 J	360 U	390 U	340 U	350 U	66 J	360 U	370 U	350 U	360 U
Butyl benzylphthalate	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Caprolactam	ug/Kg	350 UJ	370 UJ	360 UJ	390 UJ	340 UJ	350 UJ	350 UJ	360 UJ	370 U	350 U	360 U
Carbazole	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Chrysene	ug/Kg	350 U	76 J	360 U	88 J	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Dibenz(a,h)anthracene	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Dibenzofuran	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Diethyl phthalate	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Dimethyl phthalate	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U

TABLE B1

ANALYTICAL RESULTS SUMMARY
SOIL BORINGS ADJACENT TO MANHOLE RESULTS
GM HARRISON DAYTON

Sample Location:		*SB-3-02*	*SB-3-02*	*SB-3-02*	*SB-3-02*	*SB-4-02*	*SB-4-02*	*SB-4-02*	*SB-5-02*	*SB-5-02*	*SB-16-02*	*SB-16-02*
Sample Date:		*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/8/2002*	*4/8/2002*
Sample ID:		*S-040302-JC-005*	*S-040302-JC-006*	*S-040302-JC-007*	*S-040302-JC-008*	*S-040302-JC-009*	*S-040302-JC-010*	*S-040302-JC-011*	*S-040302-JC-012*	*S-040302-JC-013*	*S-040802-JC-047*	*S-040802-JC-048*
Sample Depth:		*(1-3) ft BGS*	*(9-11) ft BGS*	*(11-12) ft BGS*	*(13-15) ft BGS*	*(1-3) ft BGS*	*(9-11) ft BGS*	*(12.5-14.5) ft BGS*	*(1-3) ft BGS*	*(9-11) ft BGS*	*(1-3) ft BGS*	*(10-12) ft BGS*
Parameters	***Units***											
Di-n-butylphthalate	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Di-n-octyl phthalate	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Fluoranthene	ug/Kg	350 U	110 J	360 U	210 J	340 U	79 J	350 U	360 U	73 J	350 U	360 U
Fluorene	ug/Kg	350 U	370 U	360 U	83 J	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Hexachlorobenzene	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Hexachlorobutadiene	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Hexachlorocyclopentadiene	ug/Kg	1700 U	1800 U	1800 U	1900 U	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1800 U
Hexachloroethane	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Indeno(1,2,3-cd)pyrene	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Isophorone	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Naphthalene	ug/Kg	350 U	96 J	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Nitrobenzene	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
N-Nitrosodi-n-propylamine	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
N-Nitrosodiphenylamine	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Pentachlorophenol	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Phenanthrene	ug/Kg	350 U	230 J	360 U	250 J	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Phenol	ug/Kg	350 U	370 U	360 U	390 U	340 U	350 U	350 U	360 U	370 U	350 U	360 U
Pyrene	ug/Kg	350 U	120 J	360 U	180 J	340 U	71 J	350 U	360 U	72 J	350 U	360 U
Metals												
Antimony	mg/kg	6.4 U	6.7 U	6.6 U	7.1 U	6.3 U	6.4 U	6.3 U	6.5 U	6.7 U	6.3 U	6.6 U
Arsenic	mg/kg	4.4	4.3	5.2	3.7	3.8	3.8	3.7	4.1	6.1	4.4	3.2
Barium	mg/kg	44.0	84.2	87.7	141	24.1	19.1 J	57.8	12.8 J	87.6	26.7	80.1
Beryllium	mg/kg	0.53 U	0.56 U	0.55 U	0.59 U	0.52 U	0.54 U	0.52 U	0.54 U	0.28 J	0.53 UJ	0.55 UJ
Cadmium	mg/kg	0.53 U	0.56 U	0.55 U	0.59 U	0.52 U	0.54 U	0.52 U	0.54 U	0.56 U	0.53 U	0.55 U
Chromium III (Trivalent)	mg/kg	-	-	-	-	-	-	-	-	-	-	-
Chromium Total	mg/kg	5.4	5.9	5.4	5.4	5.0	4.3	7.7	4.5	8.9	4.0	3.3
Chromium VI (Hexavalent)	mg/kg	-	-	-	-	-	-	-	-	-	-	-
Cobalt	mg/kg	2.5 J	3.3 J	3.1 J	2.6 J	2.3 J	2.1 J	2.0 J	2.8 J	4.7 J	3.7 J	1.5 J
Copper	mg/kg	11.0	7.7	9.7	14.2	8.2	7.0	8.1	7.7	11.7	9.0	9.1
Cyanide (total)	mg/kg	0.24 J	0.19 J	0.55 U	0.59 U	0.52 U	0.54 U	0.52 U	0.54 U	0.56 U	0.53 U	0.55 U
Lead	mg/kg	12.2	7.5	6.4	13.9	44.3	17.0	9.9	4.0	15.3	4.8	2.4
Manganese	mg/kg	239	316	219	281	180	194	354	181	389	224	369
Mercury	mg/kg	0.11 U	0.11 U	0.11 U	0.12 U	0.41	0.14	0.1 U	0.11 U	0.38	0.0093 J	0.11 U
Nickel	mg/kg	6.5	8.5	7.9	6.0	6.3	4.9	5.6	7.0	10.5	6.1	3.7 J
Selenium	mg/kg	0.53 U	0.56 U	0.55 U	0.59 U	0.52 U	0.54 U	0.52 U	0.54 U	0.56 U	0.53 U	0.55 U
Silver	mg/kg	1.1 U	1.1 U	1.1 U	1.2 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
Thallium	mg/kg	1.1 U	1.1 U	1.1 U	1.2 U	1 U	1.1 U	1 U	1.1 U	1.1 U	1.1 U	1.1 U
Vanadium	mg/kg	6.9	8.7	8.6	8.4	7.1	7.0	7.0	7.9	15.1	6.5	5.2 J
Zinc	mg/kg	28.8	34.9	29.8	30.1	34.3	28.5	20.3	23.8	52.6	28.7	12.5
PCBs												
Aroclor-1016 (PCB-1016)	ug/Kg	1800 U	180 U	36 U	39 U	34 U	35 U	35 U	36 U	37 U	35 U	36 U
Aroclor-1221 (PCB-1221)	ug/Kg	1800 U	180 U	36 U	39 U	34 U	35 U	35 U	36 U	37 U	35 U	36 U
Aroclor-1232 (PCB-1232)	ug/Kg	1800 U	180 U	36 U	39 U	34 U	35 U	35 U	36 U	37 U	35 U	36 U
Aroclor-1242 (PCB-1242)	ug/Kg	1800 U	180 U	36 U	39 U	34 U	35 U	35 U	36 U	37 U	35 U	36 U
Aroclor-1248 (PCB-1248)	ug/Kg	1800 U	180 U	36 U	39 U	34 U	35 U	35 U	36 U	37 U	35 U	36 U
Aroclor-1254 (PCB-1254)	ug/Kg	14000	810	28 J	150	34 U	35 U	66	36 U	37 U	35 U	36 U

TABLE B1

ANALYTICAL RESULTS SUMMARY
SOIL BORINGS ADJACENT TO MANHOLE RESULTS
GM HARRISON DAYTON

Sample Location:		*SB-3-02*	*SB-3-02*	*SB-3-02*	*SB-3-02*	*SB-4-02*	*SB-4-02*	*SB-4-02*	*SB-5-02*	*SB-5-02*	*SB-16-02*	*SB-16-02*
Sample Date:		*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/3/2002*	*4/8/2002*	*4/8/2002*
Sample ID:		*S-040302-JC-005*	*S-040302-JC-006*	*S-040302-JC-007*	*S-040302-JC-008*	*S-040302-JC-009*	*S-040302-JC-010*	*S-040302-JC-011*	*S-040302-JC-012*	*S-040302-JC-013*	*S-040802-JC-047*	*S-040802-JC-048*
Sample Depth:		*(1-3) ft BGS*	*(9-11) ft BGS*	*(11-12) ft BGS*	*(13-15) ft BGS*	*(1-3) ft BGS*	*(9-11) ft BGS*	*(12.5-14.5) ft BGS*	*(1-3) ft BGS*	*(9-11) ft BGS*	*(1-3) ft BGS*	*(10-12) ft BGS*
Parameters	***Units***											
Aroclor-1260 (PCB-1260)	ug/Kg	1800 U	180 U	36 U	39 U	34 U	35 U	35 U	36 U	37 U	12 J	36 U
General Chemistry												
Total Solids	%	93.8	89.3	91.1	85.1	95.9	93.4	95.3	92.0	89.2	95.1	90.5

TABLE B1

ANALYTICAL RESULTS SUMMARY
SOIL BORINGS ADJACENT TO MANHOLE RESULTS
GM HARRISON DAYTON

Sample Location:		*SB-16-02*	*SB-57-02*	*SB-57-02*	*SB-57-02*	*SB-57R-03*	*SB-57R-03*	*SB-57R-03*	*SB-57R-03*	*SB-57R-03*
Sample Date:		*4/8/2002*	*4/17/2002*	*4/17/2002*	*4/17/2002*	*2/19/2003*	*2/19/2003*	*2/19/2003*	*2/19/2003*	*2/19/2003*
Sample ID:		*S-040802-JC-049*	*S-041702-JC-146*	*S-041702-JC-147*	*S-041702-JC-148*	*S-12638-021903-JC-223*	*S-12638-021903-JC-224*	*S-12638-021903-JC-225*	*S-12638-021903-JC-226*	*S-12638-021903-JC-228*
Sample Depth:		*(13-15) ft BGS*	*(1-3) ft BGS*	*(5-7) ft BGS*	*(9.5-11.5) ft BGS*	*(1-3) ft BGS*	*(5-7) ft BGS*	*(9.5-11.5) ft BGS*	*(9.5-11.5) ft BGS Duplicate*	*(13-15) ft BGS*
Parameters	***Units***									
Volatile Organic Compounds										
1,1,1-Trichloroethane	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
1,1,2,2-Tetrachloroethane	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
1,1,2-Trichloroethane	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
1,1-Dichloroethane	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
1,1-Dichloroethene	ug/Kg	5 U	360 U	18 J	320 U	-	-	-	-	220 U
1,2,4-Trichlorobenzene	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/Kg	10 UJ	710 U	510 U	630 U	-	-	-	-	440 U
1,2-Dibromoethane (Ethylene Dibromide)	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
1,2-Dichlorobenzene	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
1,2-Dichloroethane	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
1,2-Dichloropropane	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
1,3-Dichlorobenzene	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
1,4-Dichlorobenzene	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
2-Butanone (Methyl Ethyl Ketone)	ug/Kg	20 U	1400 U	1000 U	1300 U	-	-	-	-	890 U
2-Hexanone	ug/Kg	20 U	1400 U	1000 U	1300 U	-	-	-	-	890 U
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/Kg	20 U	1400 U	1000 U	1300 U	-	-	-	-	890 U
Acetone	ug/Kg	20 UJ	1400 U	1000 U	1300 U	-	-	-	-	890 U
Benzene	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
Bromodichloromethane	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
Bromoform	ug/Kg	5 UJ	360 U	250 U	320 U	-	-	-	-	220 UJ
Bromomethane (Methyl Bromide)	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 UJ
Carbon disulfide	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
Carbon tetrachloride	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 UJ
Chlorobenzene	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
Chloroethane	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
Chloroform (Trichloromethane)	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
Chloromethane (Methyl Chloride)	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
cis-1,2-Dichloroethene	ug/Kg	2.5 U	110 J	7200	160 U	-	-	-	-	110 U
cis-1,3-Dichloropropene	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
Cyclohexane	ug/Kg	10 U	16 J	510 U	630 U	-	-	-	-	440 U
Dibromochloromethane	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
Dichlorodifluoromethane (CFC-12)	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 UJ
Ethylbenzene	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
Isopropylbenzene	ug/Kg	5 U	360 U	13 J	320 U	-	-	-	-	220 U
Methyl acetate	ug/Kg	10 U	710 U	64 J	100 J	-	-	-	-	440 U
Methyl cyclohexane	ug/Kg	10 U	61 J	18 J	630 U	-	-	-	-	440 U
Methyl Tert Butyl Ether	ug/Kg	20 U	1400 U	1000 U	1300 U	-	-	-	-	890 U
Methylene chloride	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
Styrene	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
Tetrachloroethene	ug/Kg	5 U	6700	7200	470	-	-	-	-	440
Toluene	ug/Kg	0.58 J	360 U	250 U	320 U	-	-	-	-	220 U
trans-1,2-Dichloroethene	ug/Kg	2.5 U	180 U	110 J	160 U	-	-	-	-	110 U
trans-1,3-Dichloropropene	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
Trichloroethene	ug/Kg	5 U	3600	8100	180 J	-	-	-	-	210 J
Trichlorofluoromethane (CFC-11)	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 UJ
Trifluorotrichloroethane (Freon 113)	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
Vinyl chloride	ug/Kg	5 U	360 U	250 U	320 U	-	-	-	-	220 U
Xylene (total)	ug/Kg	10 U	64 J	42 J	38 J	-	-	-	-	440 U

TABLE B1

ANALYTICAL RESULTS SUMMARY
SOIL BORINGS ADJACENT TO MANHOLE RESULTS
GM HARRISON DAYTON

Sample Location:		*SB-16-02*	*SB-57-02*	*SB-57-02*	*SB-57-02*	*SB-57R-03*	*SB-57R-03*	*SB-57R-03*	*SB-57R-03*	*SB-57R-03*
Sample Date:		*4/8/2002*	*4/17/2002*	*4/17/2002*	*4/17/2002*	*2/19/2003*	*2/19/2003*	*2/19/2003*	*2/19/2003*	*2/19/2003*
Sample ID:		*S-040802-JC-049*	*S-041702-JC-146*	*S-041702-JC-147*	*S-041702-JC-148*	*S-12638-021903-JC-223*	*S-12638-021903-JC-224*	*S-12638-021903-JC-225*	*S-12638-021903-JC-226*	*S-12638-021903-JC-228*
Sample Depth:		*(13-15) ft BGS*	*(1-3) ft BGS*	*(5-7) ft BGS*	*(9.5-11.5) ft BGS*	*(1-3) ft BGS*	*(5-7) ft BGS*	*(9.5-11.5) ft BGS*	*(9.5-11.5) ft BGS Duplicate*	*(13-15) ft BGS*
Parameters	***Units***									
Semi-Volatile Organic Compounds										
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
2,4,5-Trichlorophenol	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
2,4,6-Trichlorophenol	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
2,4-Dichlorophenol	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
2,4-Dimethylphenol	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
2,4-Dinitrophenol	ug/Kg	1700 U	1800 U	1800 U	7300 U	-	-	-	-	1700 U
2,4-Dinitrotoluene	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
2,6-Dinitrotoluene	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
2-Chloronaphthalene	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
2-Chlorophenol	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
2-Methylnaphthalene	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
2-Methylphenol	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
2-Nitroaniline	ug/Kg	1700 U	1800 U	1800 U	7300 U	-	-	-	-	1700 U
2-Nitrophenol	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
3,3'-Dichlorobenzidine	ug/Kg	1700 U	1800 U	1800 U	7300 U	-	-	-	-	1700 U
3-Nitroaniline	ug/Kg	1700 U	1800 U	1800 U	7300 U	-	-	-	-	1700 U
4,6-Dinitro-2-methylphenol	ug/Kg	1700 U	1800 U	1800 U	7300 U	-	-	-	-	1700 U
4-Bromophenyl phenyl ether	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
4-Chloro-3-methylphenol	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
4-Chloroaniline	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
4-Chlorophenyl phenyl ether	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
4-Methylphenol	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
4-Nitroaniline	ug/Kg	1700 U	1800 U	1800 U	7300 U	-	-	-	-	1700 U
4-Nitrophenol	ug/Kg	1700 U	1800 U	1800 U	7300 U	-	-	-	-	1700 U
Acenaphthene	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Acenaphthylene	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Acetophenone	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Anthracene	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Atrazine	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Benzaldehyde	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Benzo(a)anthracene	ug/Kg	350 U	190 J	380 U	530 J	-	-	-	-	350 U
Benzo(a)pyrene	ug/Kg	350 U	280 J	380 U	570 J	-	-	-	-	350 U
Benzo(b)fluoranthene	ug/Kg	350 U	330 J	380 U	810 J	-	-	-	-	350 U
Benzo(g,h,i)perylene	ug/Kg	350 U	1100	380 U	660 J	-	-	-	-	350 U
Benzo(k)fluoranthene	ug/Kg	350 U	170 J	380 U	270 J	-	-	-	-	350 U
Biphenyl	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
bis(2-Chloroethoxy)methane	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
bis(2-Chloroethyl)ether	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
bis(2-Ethylhexyl)phthalate	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	20 J
Butyl benzylphthalate	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Caprolactam	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Carbazole	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Chrysene	ug/Kg	350 U	210 J	380 U	590 J	-	-	-	-	350 U
Dibenz(a,h)anthracene	ug/Kg	350 U	79 J	380 U	1500 U	-	-	-	-	350 U
Dibenzofuran	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Diethyl phthalate	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Dimethyl phthalate	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U

TABLE B1

ANALYTICAL RESULTS SUMMARY
SOIL BORINGS ADJACENT TO MANHOLE RESULTS
GM HARRISON DAYTON

Sample Location:		*SB-16-02*	*SB-57-02*	*SB-57-02*	*SB-57-02*	*SB-57R-03*	*SB-57R-03*	*SB-57R-03*	*SB-57R-03*	*SB-57R-03*
Sample Date:		*4/8/2002*	*4/17/2002*	*4/17/2002*	*4/17/2002*	*2/19/2003*	*2/19/2003*	*2/19/2003*	*2/19/2003*	*2/19/2003*
Sample ID:		*S-040802-JC-049*	*S-041702-JC-146*	*S-041702-JC-147*	*S-041702-JC-148*	*S-12638-021903-JC-223*	*S-12638-021903-JC-224*	*S-12638-021903-JC-225*	*S-12638-021903-JC-226*	*S-12638-021903-JC-228*
Sample Depth:		*(13-15) ft BGS*	*(1-3) ft BGS*	*(5-7) ft BGS*	*(9.5-11.5) ft BGS*	*(1-3) ft BGS*	*(5-7) ft BGS*	*(9.5-11.5) ft BGS*	*(9.5-11.5) ft BGS Duplicate*	*(13-15) ft BGS*
Parameters	***Units***									
Di-n-butylphthalate	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Di-n-octyl phthalate	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Fluoranthene	ug/Kg	350 U	300 J	380 U	1600	-	-	-	-	350 U
Fluorene	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Hexachlorobenzene	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Hexachlorobutadiene	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Hexachlorocyclopentadiene	ug/Kg	1700 U	1800 U	1800 U	7300 U	-	-	-	-	1700 U
Hexachloroethane	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Indeno(1,2,3-cd)pyrene	ug/Kg	350 U	340 J	380 U	450 J	-	-	-	-	350 U
Isophorone	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Naphthalene	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Nitrobenzene	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
N-Nitrosodi-n-propylamine	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
N-Nitrosodiphenylamine	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Pentachlorophenol	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Phenanthrene	ug/Kg	350 U	120 J	380 U	1600	-	-	-	-	350 U
Phenol	ug/Kg	350 U	380 U	380 U	1500 U	-	-	-	-	350 U
Pyrene	ug/Kg	350 U	370 J	380 U	1500	-	-	-	-	350 U
Metals										
Antimony	mg/kg	6.4 U	6.9 U	6.8 U	6.9 U	-	-	-	-	6.4 U
Arsenic	mg/kg	3.2	6.2	12.1	4.5	-	-	-	-	3.1
Barium	mg/kg	33.5	108	70.0	124	-	-	-	-	38.9 J
Beryllium	mg/kg	0.53 UJ	0.70	0.74	0.57 U	-	-	-	-	0.54 U
Cadmium	mg/kg	0.53 U	0.49 J	0.36 J	1.2	-	-	-	-	0.65
Chromium III (Trivalent)	mg/kg	-	-	-	-	6.7	27.9	108	42.4	17.8
Chromium Total	mg/kg	3.3	12.1	149	42.3	6.9	28.1	108	43.0	20.2
Chromium VI (Hexavalent)	mg/kg	-	-	-	-	0.23 J	0.27 J	0.32 J	0.61 J	2.4
Cobalt	mg/kg	1.5 J	4.8 J	13.2	2.9 J	-	-	-	-	1.6 J
Copper	mg/kg	3.2	127	29.0	127	-	-	-	-	17.7 J
Cyanide (total)	mg/kg	0.53 U	0.57 U	0.37 J	5.6	-	-	-	-	0.65
Lead	mg/kg	2.3	147	62.8	126	-	-	-	-	4.6
Manganese	mg/kg	311	410	641	304	-	-	-	-	298
Mercury	mg/kg	0.11 U	0.38	0.14	0.24	-	-	-	-	0.11 U
Nickel	mg/kg	4.2	10.2	25.5	11.5	-	-	-	-	4.4
Selenium	mg/kg	0.53 U	0.57 U	0.57 U	0.57 U	-	-	-	-	0.54 U
Silver	mg/kg	1.1 U	1.1 U	1.1 U	1.1 U	-	-	-	-	1.1 U
Thallium	mg/kg	1.1 U	0.76 J	0.73 J	0.65 J	-	-	-	-	1.1 U
Vanadium	mg/kg	5.0 J	14.6	39.9	10.0	-	-	-	-	5.0 J
Zinc	mg/kg	11.1	138	272	339	-	-	-	-	185
PCBs										
Aroclor-1016 (PCB-1016)	ug/Kg	35 U	38 U	38 U	3800 U	-	-	-	-	3500 U
Aroclor-1221 (PCB-1221)	ug/Kg	35 U	38 U	38 U	3800 U	-	-	-	-	3500 U
Aroclor-1232 (PCB-1232)	ug/Kg	35 U	38 U	38 U	3800 U	-	-	-	-	3500 U
Aroclor-1242 (PCB-1242)	ug/Kg	35 U	38 U	38 U	3800 U	-	-	-	-	3500 U
Aroclor-1248 (PCB-1248)	ug/Kg	35 U	38 U	38 U	3800 U	-	-	-	-	3500 U
Aroclor-1254 (PCB-1254)	ug/Kg	33 J	38 U	38 U	53000	-	-	-	-	23000

TABLE B1

ANALYTICAL RESULTS SUMMARY
SOIL BORINGS ADJACENT TO MANHOLE RESULTS
GM HARRISON DAYTON

Sample Location:		*SB-16-02*	*SB-57-02*	*SB-57-02*	*SB-57-02*	*SB-57R-03*	*SB-57R-03*	*SB-57R-03*	*SB-57R-03*	*SB-57R-03*
Sample Date:		*4/8/2002*	*4/17/2002*	*4/17/2002*	*4/17/2002*	*2/19/2003*	*2/19/2003*	*2/19/2003*	*2/19/2003*	*2/19/2003*
Sample ID:		*S-040802-JC-049*	*S-041702-JC-146*	*S-041702-JC-147*	*S-041702-JC-148*	*S-12638-021903-JC-223*	*S-12638-021903-JC-224*	*S-12638-021903-JC-225*	*S-12638-021903-JC-226*	*S-12638-021903-JC-228*
Sample Depth:		*(13-15) ft BGS*	*(1-3) ft BGS*	*(5-7) ft BGS*	*(9.5-11.5) ft BGS*	*(1-3) ft BGS*	*(5-7) ft BGS*	*(9.5-11.5) ft BGS*	*(9.5-11.5) ft BGS Duplicate*	*(13-15) ft BGS*
Parameters	***Units***									
Aroclor-1260 (PCB-1260)	ug/Kg	35 U	19 J	38 U	3800 U	-	-	-	-	3500 U
General Chemistry										
Total Solids	%	94.3	87.2	87.8	87.4	90.8	75.2	88.9	91.7	93.3

TABLE B2

ANALYTICAL RESULTS SUMMARY
BASEMENT SUMP WATER RESULTS
GM HARRISON DAYTON

Sample Location:		*BS-1*	*BS-1*	*BS-1*	*BS-2*	*BS-3*	*BS-3*	*BS-4*
Sample Date:		*4/9/2002*	*4/9/2002*	*10/13/2004*	*10/13/2004*	*4/12/2002*	*10/13/2004*	*4/12/2002*
Sample ID:		*W-040902-SLE-011*	*W-040902-SLE-012 Duplicate*	*WSS-101304-NZ-021*	*WSS-101304-NZ-019*	*W-041202-SLE-022*	*WSS-101304-NZ-020*	*W-041202-SLE-023*
Parameters	***Units***							
Volatile Organic Compounds								
1,1,1-Trichloroethane	ug/L	0.56 J	0.44 J	0.77 J	1.0 U	1 U	1.0 U	1 U
1,1,2,2-Tetrachloroethane	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
1,1,2-Trichloroethane	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
1,1-Dichloroethane	ug/L	0.57 J	0.59 J	0.48 J	0.22 J	1 U	1.0 U	1 U
1,1-Dichloroethene	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
1,2,4-Trichlorobenzene	ug/L	2 UJ	2 UJ	2.0 U	1.0 U	1 U	1.0 U	1 U
1,2-Dibromo-3-chloropropane (DBCP)	ug/L	4 U	4 U	4.0 UJ	2.0 UJ	2 U	2.0 UJ	2 U
1,2-Dibromoethane (Ethylene Dibromide)	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
1,2-Dichlorobenzene	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
1,2-Dichloroethane	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
1,2-Dichloropropane	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
1,3-Dichlorobenzene	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
1,4-Dichlorobenzene	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
2-Butanone (Methyl Ethyl Ketone)	ug/L	20 U	20 U	20 UJ	10 UJ	10 UJ	10 UJ	10 UJ
2-Hexanone	ug/L	20 U	20 U	20 U	10 U	10 UJ	10 U	10 UJ
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ug/L	20 U	20 U	20 UJ	10 UJ	10 U	10 UJ	10 U
Acetone	ug/L	20 U	20 U	20 UJ	10 UJ	10 UJ	1.5 J	10 UJ
Benzene	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
Bromodichloromethane	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
Bromoform	ug/L	2 U	2 U	2.0 UJ	1.0 UJ	1 U	1.0 UJ	1 U
Bromomethane (Methyl Bromide)	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
Carbon disulfide	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
Carbon tetrachloride	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
Chlorobenzene	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
Chloroethane	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
Chloroform (Trichloromethane)	ug/L	1.3 J	1.3 J	2.0 U	1.0 U	1 U	1.0 U	1 U
Chloromethane (Methyl Chloride)	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
cis-1,2-Dichloroethene	ug/L	2.2	2.1	3.3	7.4	0.61	0.34 J	0.5 U
cis-1,3-Dichloropropene	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
Cyclohexane	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
Dibromochloromethane	ug/L	2 U	2 U	2.0 UJ	1.0 UJ	1 U	1.0 UJ	1 U
Dichlorodifluoromethane (CFC-12)	ug/L	2 U	2 U	2.0 UJ	1.0 UJ	1 U	1.0 UJ	1 U
Ethylbenzene	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
Isopropylbenzene	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
Methyl acetate	ug/L	20 U	20 U	20 U	10 U	10 U	10 U	10 U
Methyl cyclohexane	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
Methyl Tert Butyl Ether	ug/L	10 U	10 U	10 U	5.0 U	5 U	5.0 U	5 U
Methylene chloride	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
Styrene	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
Tetrachloroethene	ug/L	58	59	69	4.5	1.9	0.93 J	2.8
Toluene	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
trans-1,2-Dichloroethene	ug/L	0.69 J	0.71 J	1.0 U	0.50 U	0.5 U	0.50 U	0.5 U
trans-1,3-Dichloropropene	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
Trichloroethene	ug/L	16	16	26	1.6	0.65 J	2.5	0.82 J
Trichlorofluoromethane (CFC-11)	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
Trifluorotrichloroethane (Freon 113)	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
Vinyl chloride	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U
Xylene (total)	ug/L	2 U	2 U	2.0 U	1.0 U	1 U	1.0 U	1 U

TABLE B2

ANALYTICAL RESULTS SUMMARY
BASEMENT SUMP WATER RESULTS
GM HARRISON DAYTON

Sample Location:		*BS-1*	*BS-1*	*BS-1*	*BS-2*	*BS-3*	*BS-3*	*BS-4*
Sample Date:		*4/9/2002*	*4/9/2002*	*10/13/2004*	*10/13/2004*	*4/12/2002*	*10/13/2004*	*4/12/2002*
Sample ID:		*W-040902-SLE-011*	*W-040902-SLE-012 Duplicate*	*WSS-101304-NZ-021*	*WSS-101304-NZ-019*	*W-041202-SLE-022*	*WSS-101304-NZ-020*	*W-041202-SLE-023*
Parameters	***Units***							
Semi-Volatile Organic Compounds								
2,2'-oxybis(1-Chloropropane) (bis(2-chloroisopropyl) ether)	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	ug/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2,4-Dinitrotoluene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chloronaphthalene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Chlorophenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	ug/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U
2-Nitrophenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	ug/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U
3-Nitroaniline	ug/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4,6-Dinitro-2-methylphenol	ug/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Bromophenyl phenyl ether	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-methylphenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chlorophenyl phenyl ether	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Methylphenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	ug/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U
4-Nitrophenol	ug/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Acenaphthene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acetophenone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Anthracene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Atrazine	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzaldehyde	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)anthracene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)pyrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(b)fluoranthene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(g,h,i)perylene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(k)fluoranthene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Biphenyl	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethoxy)methane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Chloroethyl)ether	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
bis(2-Ethylhexyl)phthalate	ug/L	10 U	10 U	10 U	10 U	7.2 J	10 U	10 U
Butyl benzylphthalate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Caprolactam	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chrysene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenz(a,h)anthracene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dibenzofuran	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Diethyl phthalate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Dimethyl phthalate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-butylphthalate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U

TABLE B2

ANALYTICAL RESULTS SUMMARY
BASEMENT SUMP WATER RESULTS
GM HARRISON DAYTON

Sample Location:		*BS-1*	*BS-1*	*BS-1*	*BS-2*	*BS-3*	*BS-3*	*BS-4*
Sample Date:		*4/9/2002*	*4/9/2002*	*10/13/2004*	*10/13/2004*	*4/12/2002*	*10/13/2004*	*4/12/2002*
Sample ID:		*W-040902-SLE-011*	*W-040902-SLE-012 Duplicate*	*WSS-101304-NZ-021*	*WSS-101304-NZ-019*	*W-041202-SLE-022*	*WSS-101304-NZ-020*	*W-041202-SLE-023*
Parameters	***Units***							
Fluoranthene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Fluorene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorobutadiene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Hexachlorocyclopentadiene	ug/L	50 U	50 U	50 U	50 U	50 U	50 U	50 U
Hexachloroethane	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Indeno(1,2,3-cd)pyrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Isophorone	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Naphthalene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Nitrobenzene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodi-n-propylamine	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
N-Nitrosodiphenylamine	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pentachlorophenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenanthrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	ug/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Metals								
Antimony	mg/L	0.06 U	0.05 U	0.0020 U	0.0020 U	0.06 U	0.0020 U	0.060 U
Arsenic	mg/L	0.01 U	0.01 U	0.0028 J	0.0028 J	0.01 U	0.010 U	0.01 U
Barium	mg/L	0.10 J	0.10 J	0.11 J	0.069 J	0.081 J	0.038 J	0.025 J
Beryllium	mg/L	0.005 U	0.005 U	0.0010 U	0.0010 U	0.005 U	0.0010 U	0.005 U
Cadmium	mg/L	0.0050 U	0.005 U	0.0021 J	0.0050 U	0.0050 U	0.0018 J	0.0050 U
Chromium Total	mg/L	0.010 U	0.0084 J	0.0051 J	0.010 U	0.01 U	0.010 U	0.010 U
Cobalt	mg/L	0.05 U	0.05 U	0.050 U	0.050 U	0.05 U	0.050 U	0.05 U
Copper	mg/L	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.025 U	0.064
Cyanide (total)	mg/L	0.01 U	0.01 U	0.010 U	0.010 U	0.01 U	0.010 U	0.01 U
Lead	mg/L	0.003 U	0.003 U	0.0030 U	0.0030 U	0.003 U	0.0030 U	0.011
Manganese	mg/L	0.015 U	0.015 U	0.012 J	0.10	0.015	0.12	0.064
Mercury	mg/L	0.0002 U	0.0002 U	0.00020 U	0.00020 U	0.0002 U	0.00020 U	0.0002 U
Nickel	mg/L	0.04 U	0.04 U	0.0026 J	0.040 U	0.04 U	0.040 U	0.04 U
Selenium	mg/L	0.0073 U	0.005 U	0.0050 U	0.0050 U	0.005 U	0.0050 U	0.005 U
Silver	mg/L	0.01 U	0.01 U	0.010 U	0.010 U	0.01 U	0.010 U	0.01 U
Thallium	mg/L	0.0067 J	0.0069 J	0.0010 U	0.0010 U	0.0095 J	0.0010 U	0.0056 J
Vanadium	mg/L	0.050 U	0.05 U	0.050 U	0.050 U	0.05 U	0.050 U	0.05 U
Zinc	mg/L	0.038 J	0.018 J	0.020 U	0.023	0.016 J	0.031	0.082
PCBs								
Aroclor-1016 (PCB-1016)	ug/L	0.2 U	0.2 U	0.20 U	0.20 U	0.2 U	0.20 U	0.2 U
Aroclor-1221 (PCB-1221)	ug/L	0.2 U	0.2 U	0.20 U	0.20 U	0.2 U	0.20 U	0.2 U
Aroclor-1232 (PCB-1232)	ug/L	0.4 U	0.4 U	0.40 U	0.40 U	0.4 U	0.40 U	0.4 U
Aroclor-1242 (PCB-1242)	ug/L	0.2 U	0.2 U	0.20 U	0.20 U	0.2 U	0.20 U	0.2 U
Aroclor-1248 (PCB-1248)	ug/L	0.2 U	0.2 U	0.20 U	0.20 U	0.2 U	0.20 U	0.2 U
Aroclor-1254 (PCB-1254)	ug/L	0.28	0.45	0.20 U	0.20 U	0.2 U	0.20 U	0.2 U
Aroclor-1260 (PCB-1260)	ug/L	0.2 U	0.2 U	0.20 U	0.20 U	0.2 U	0.35	0.2 U

TABLE B3

ANALYTICAL RESULTS SUMMARY
CONCRETE RESULTS
GM HARRISON DAYTON

Sample Location:		*CON-12-02*	*CON-13-02*
Sample Date:		*4/3/2002*	*4/3/2002*
Sample ID:		*CC-040302-SLE-025*	*CC-040302-SLE-027*
Sample Depth:		*(0-3) in*	*(0-3) in*
Parameters	***Units***		
PCBs			
Aroclor-1016 (PCB-1016)	ug/Kg	68 U	340 U
Aroclor-1221 (PCB-1221)	ug/Kg	68 U	340 U
Aroclor-1232 (PCB-1232)	ug/Kg	68 U	340 U
Aroclor-1242 (PCB-1242)	ug/Kg	68 U	340 U
Aroclor-1248 (PCB-1248)	ug/Kg	68 U	340 U
Aroclor-1254 (PCB-1254)	ug/Kg	550	2000
Aroclor-1260 (PCB-1260)	ug/Kg	68 U	340 U
General Chemistry			
Total Solids	%	96.7	96.6

ATTACHMENT C

GM's CERTIFICATION
UNDER 40 CFR 761.61(a)(3)(i)

ATTACHMENT C

CERTIFICATION STATEMENT

Owner: Peerless Realty/Peerless Transportation Company
Project: Former Delphi Harrison Thermal Systems Facility
300 Taylor Street, Dayton, Ohio
Storm Sewer Abandonment Between Webster and Taylor Street

I, _____, hereby certify that all sampling plans, sample collection procedures, sample preparation procedures, and instrumental/chemical analysis procedures used to assess and characterize the presence, concentrations, and extent of polychlorinated biphenyl- (PCB-) impacted media in the storm sewers located between Webster and Taylor Streets at the Former Delphi Harrison Thermal Systems Facility located at 300 Taylor Street in Dayton, Ohio, are on file and available for USEPA review at the following location:

Conestoga-Rovers & Associates
651 Colby Drive
Waterloo, Ontario N2V 1C2
(519) 884-0510
Contact: Sylvie Eastman, P.E.

This work has been conducted on behalf of General Motors Corporation (GM).

By: _____

Date: _____

By: _____

Date: _____